

EXHIBIT A
1 OF 2



US005699526A

United States Patent [19]
Siefert

[11] Patent Number: 5,699,526
[45] Date of Patent: Dec. 16, 1997

[54] ORDERING AND DOWNLOADING RESOURCES FROM COMPUTERIZED REPOSITORIES

[75] Inventor: David M. Siefert, Englewood, Ohio

[73] Assignee: NCR Corporation, Dayton, Ohio

[21] Appl. No.: 670,294

[22] Filed: Aug. 21, 1996

Related U.S. Application Data

[63] Continuation of Ser. No. 217,062, Mar. 24, 1994, abandoned.

[51] Int. Cl.⁶ G06F 17/30

[52] U.S. Cl. 395/227; 395/610

[58] Field of Search 395/226, 227, 395/610, 615, 601

[56] **References Cited**

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| 5,339,239 | 8/1994 | Manabe et al. | 364/401 |

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Primary Examiner—Thomas G. Black

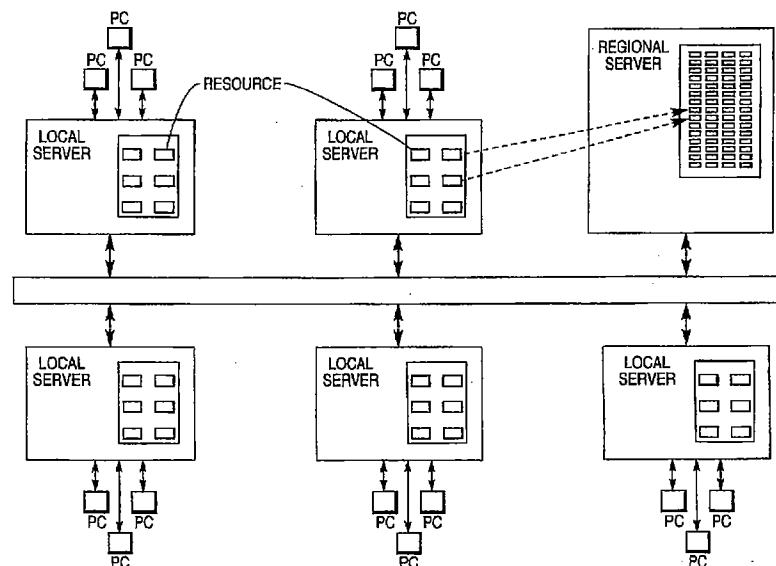
Assistant Examiner—Jack M. Choules

Attorney, Agent, or Firm—Gregory A. Welte; George H. Gates

[57] **ABSTRACT**

The invention concerns a system for managing resources, which can take the form of (a) computer-compatible information, such as data files and programs, and (b) non-computer-compatible information, such as data contained on microfiche, and (c) physical objects. The resources are located at geographically diverse sites. The invention contains a descriptive profile for each resource, and allows any user to search all profiles, and to search the profiles according to "fields" (a database term), such as by location of the resources, or by category of the resources. The user can order delivery of a selected resource, and the system causes delivery of the resource to be executed, irrespective of the form (eg, physical object) of the resource. The invention allows a provider of a new resource to limit access to the resource, by identifying users who are authorized to obtain access to the resource. Non-authorized users cannot obtain access to the profiles of these resources.

8 Claims, 101 Drawing Sheets



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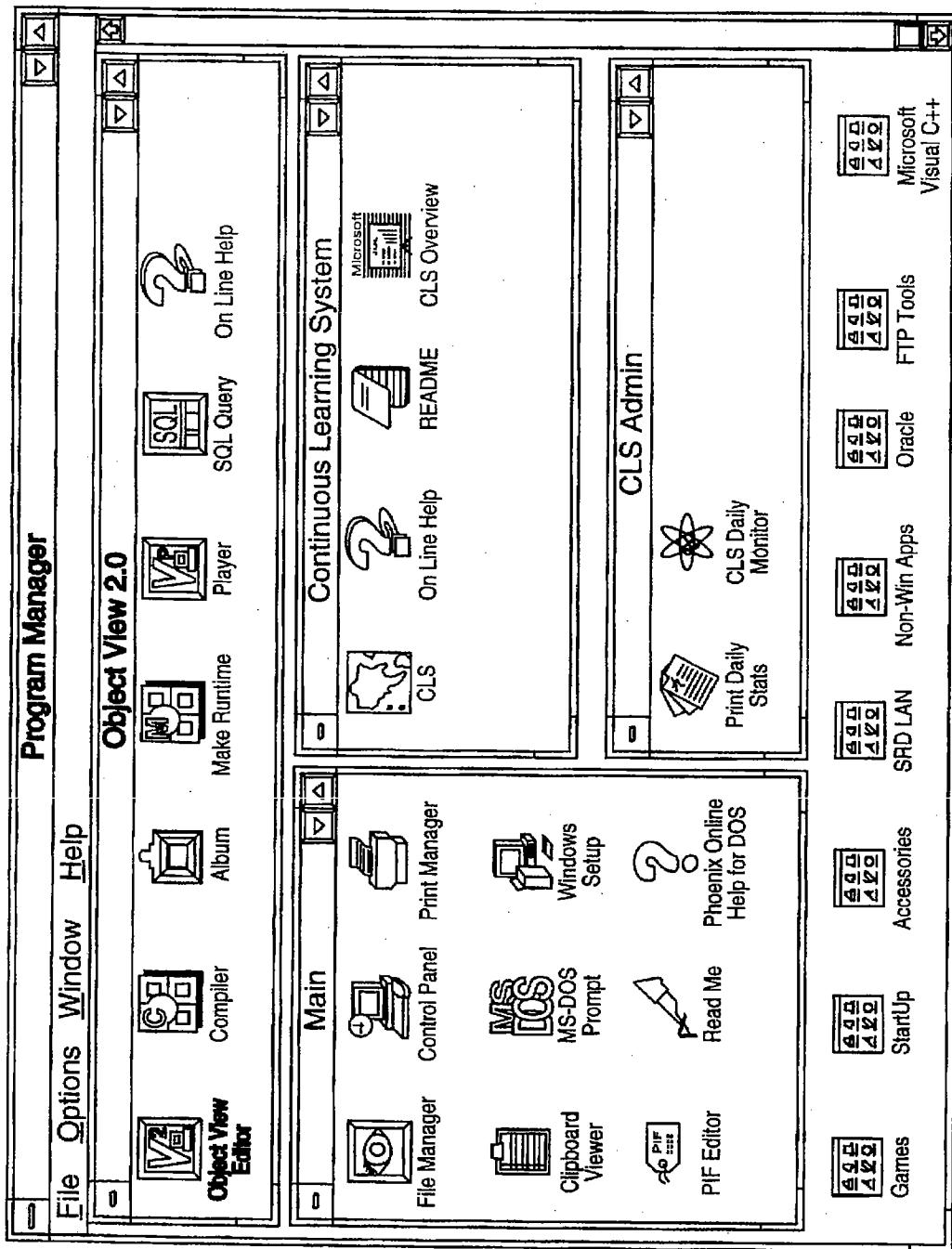


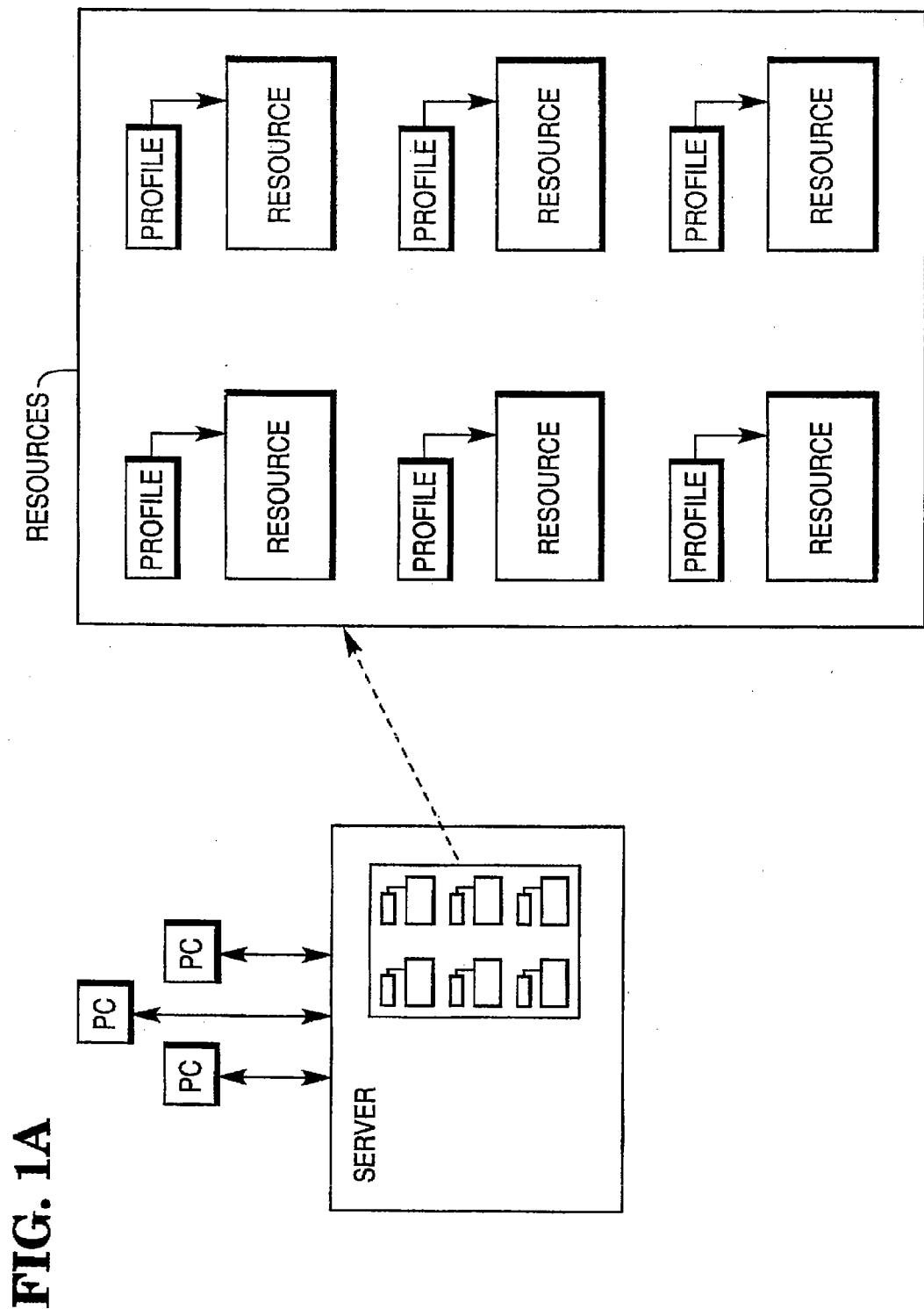
FIG. 1

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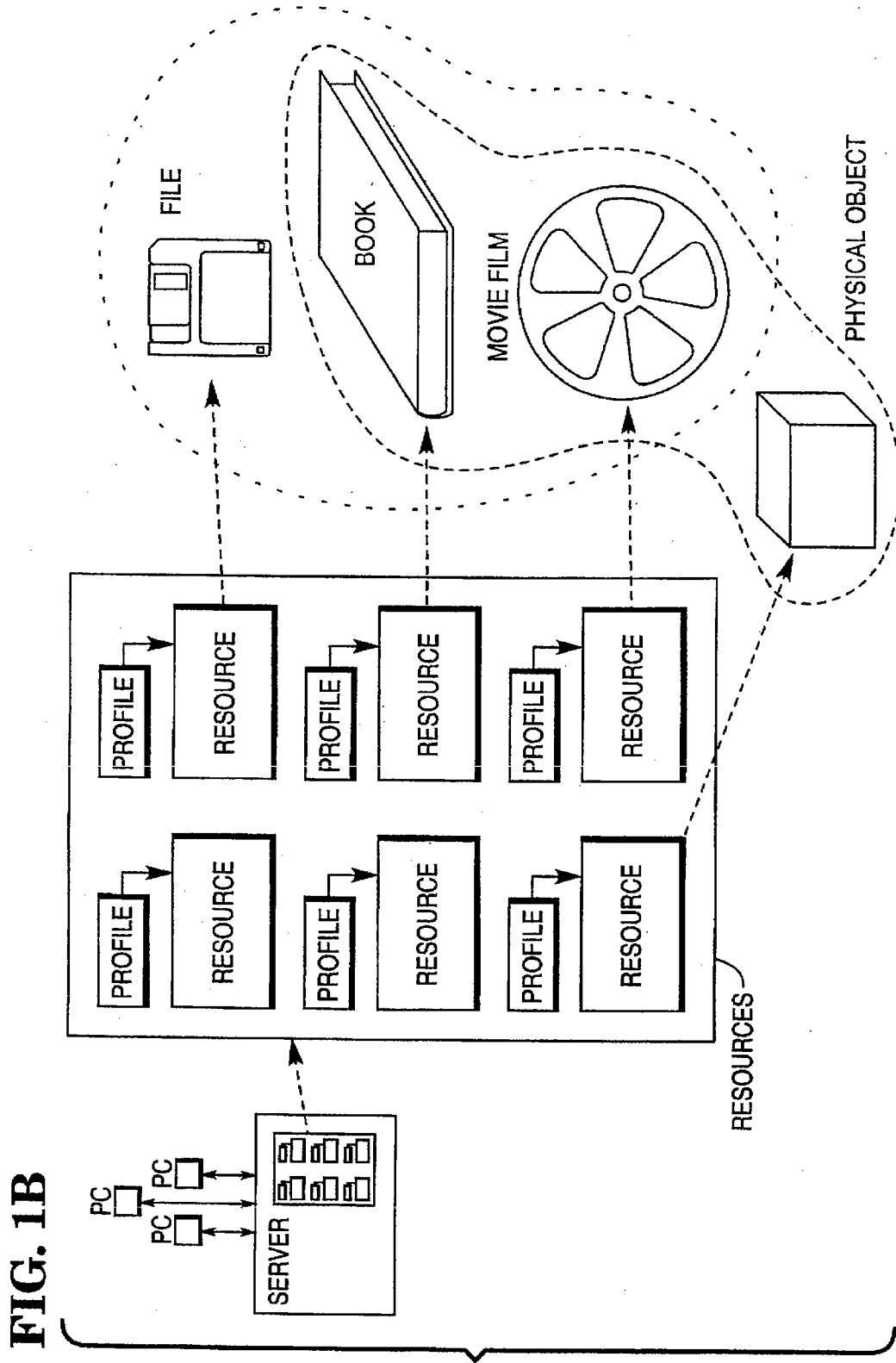
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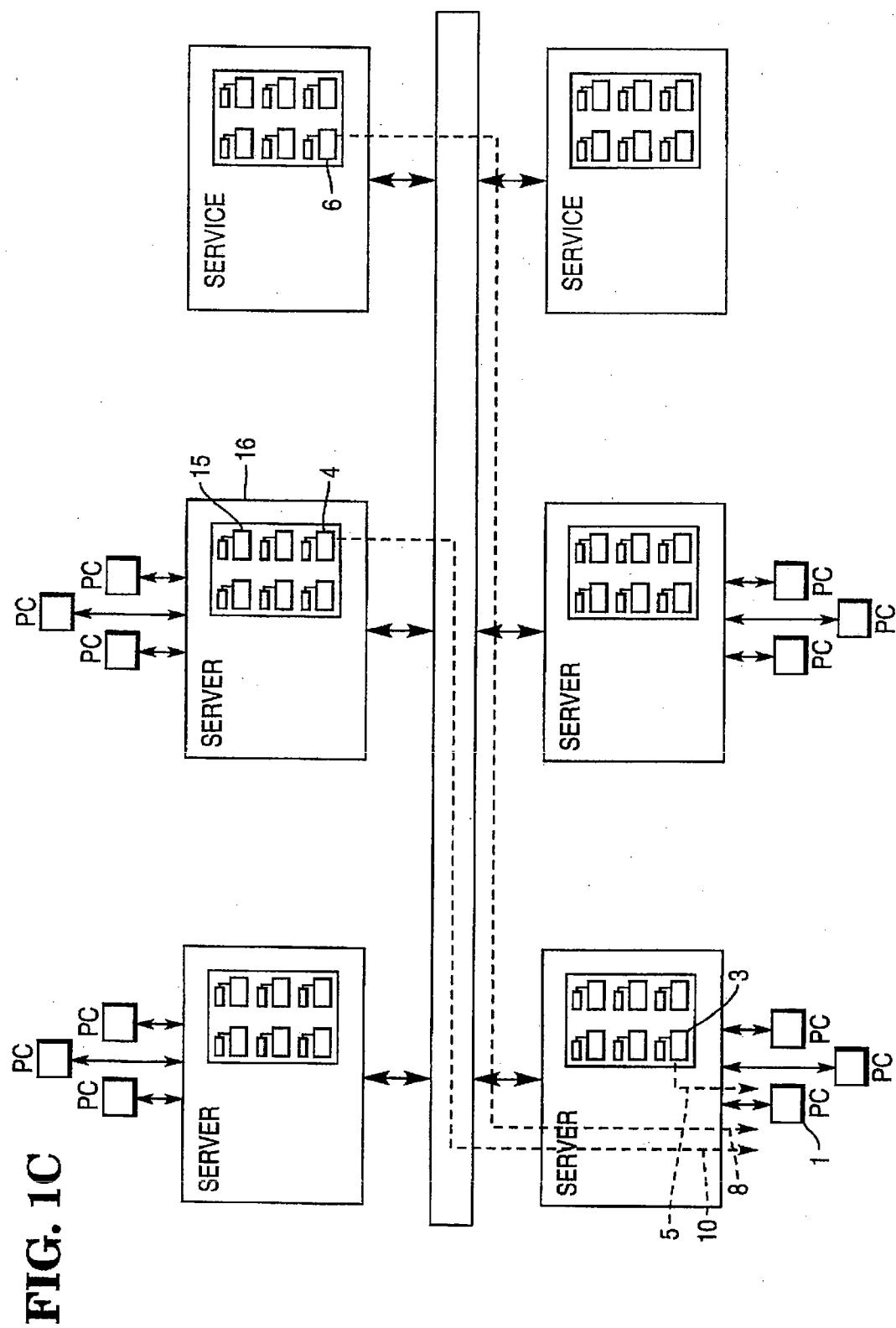
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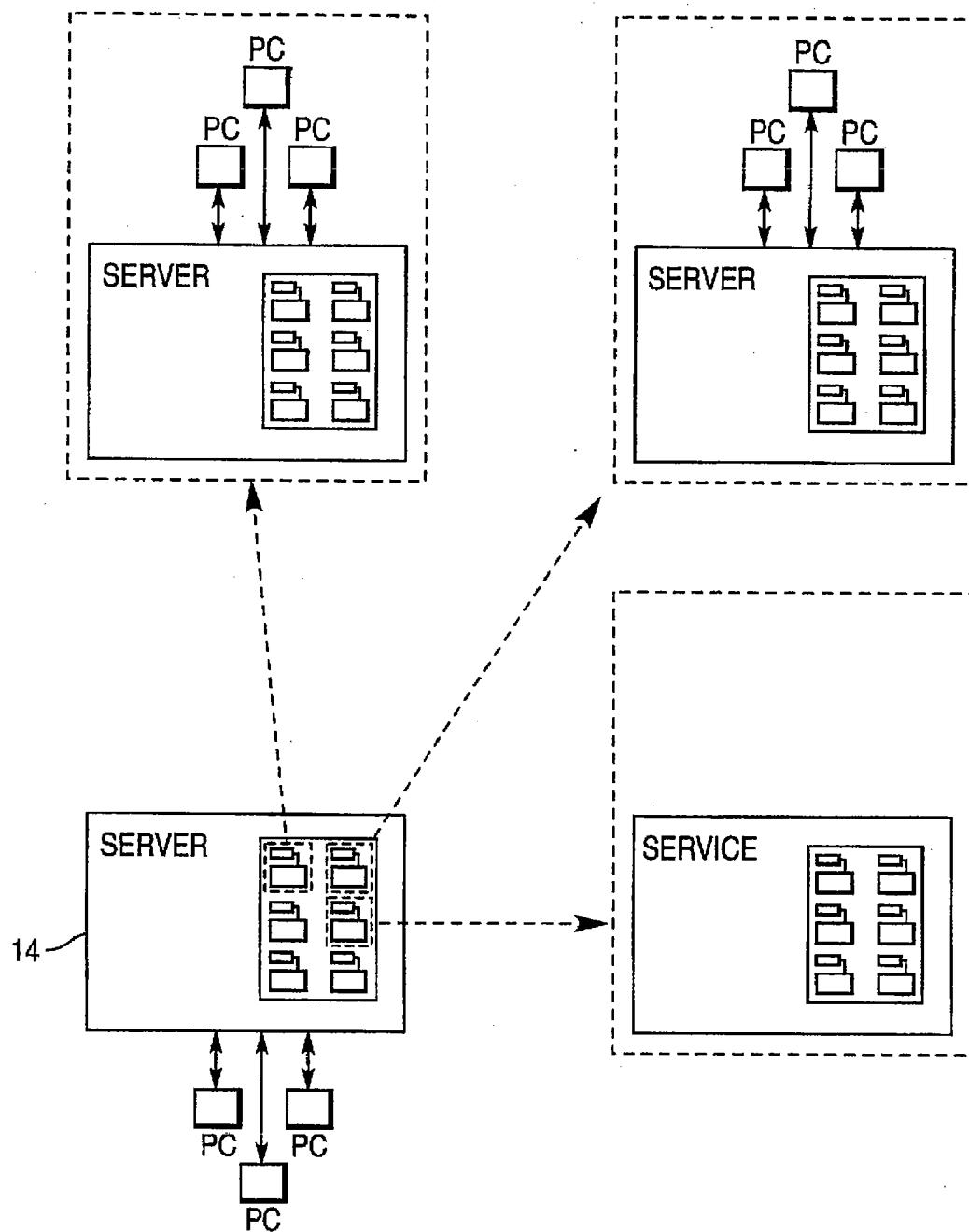
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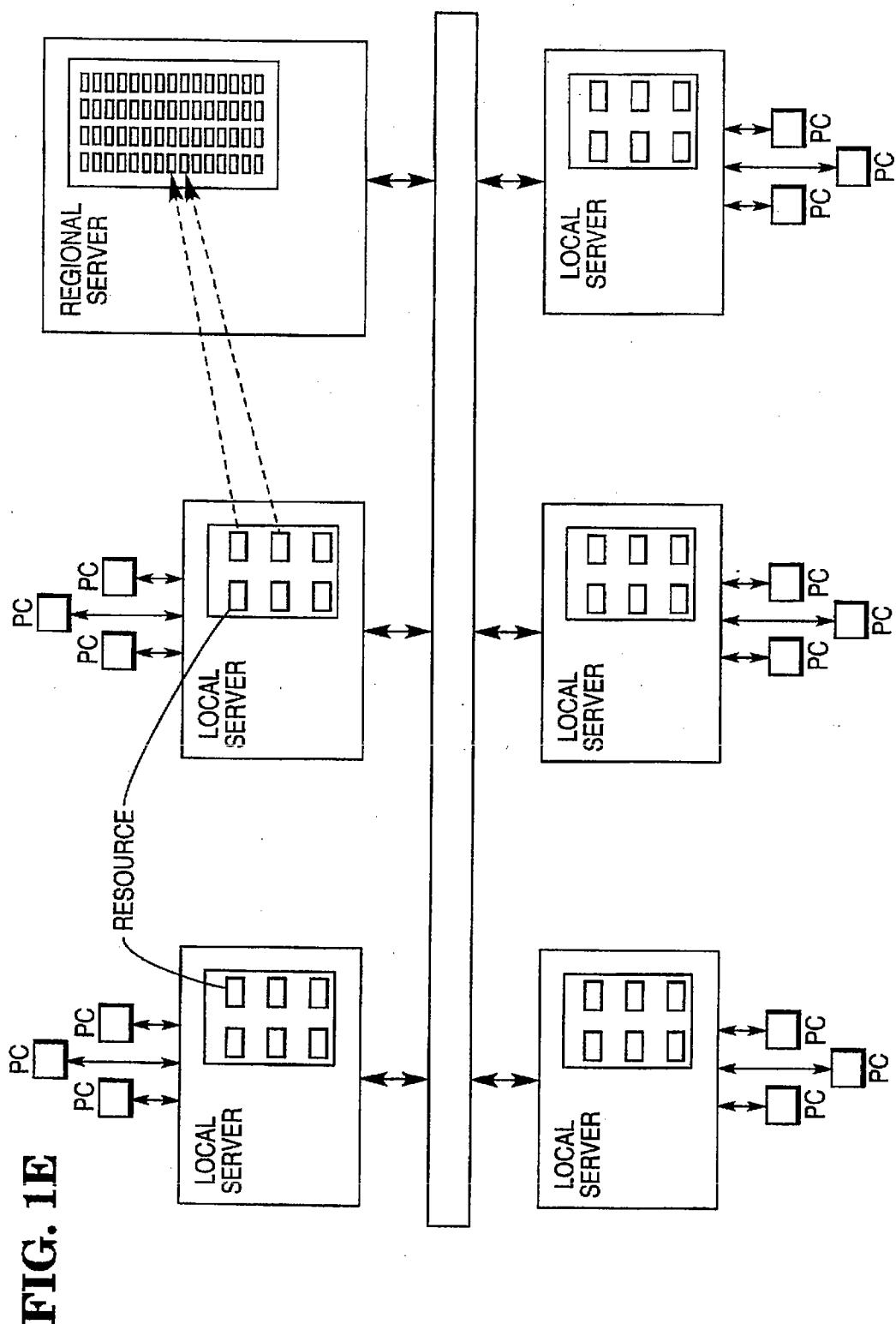
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5,699,526**FIG. 1D**

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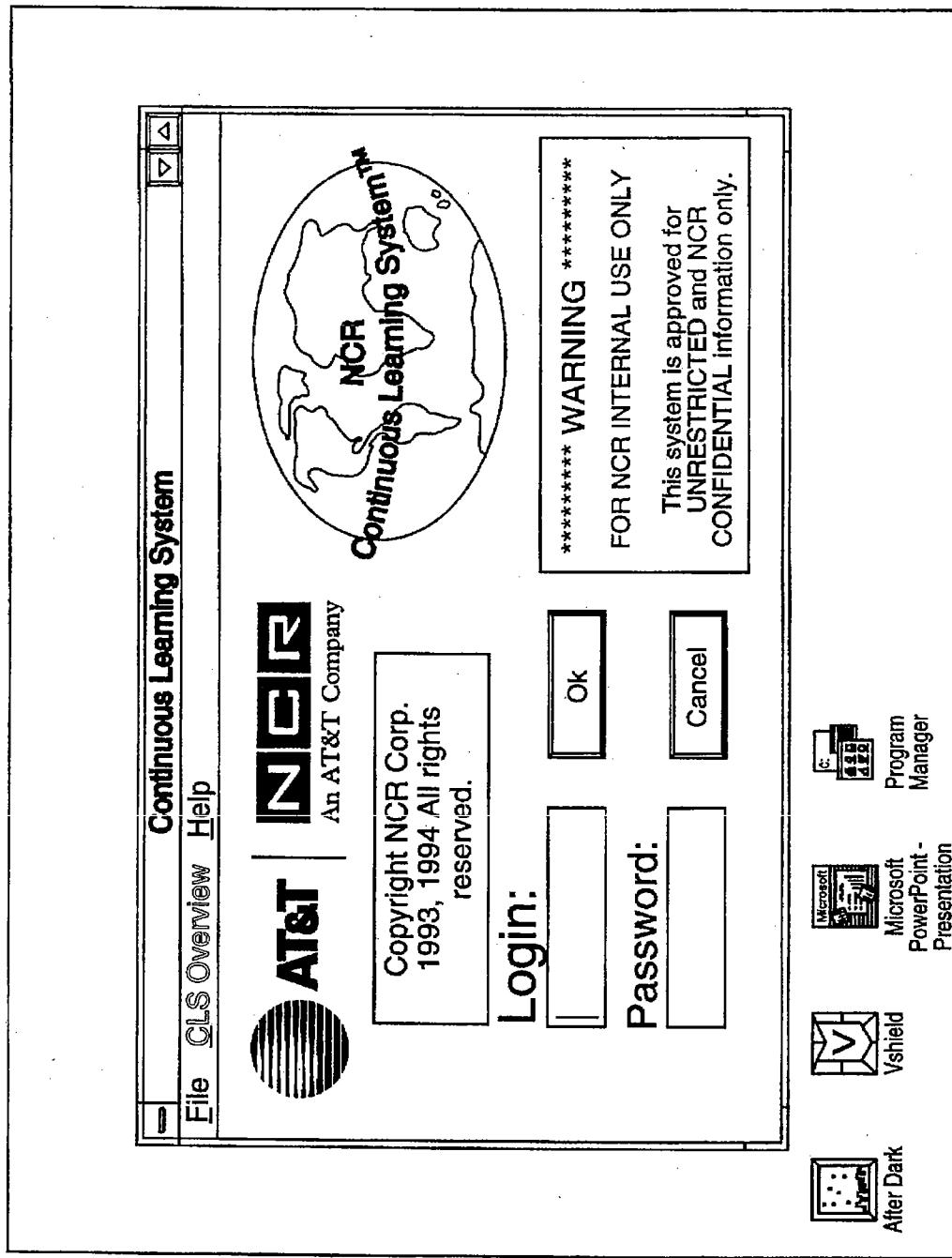


FIG. 2

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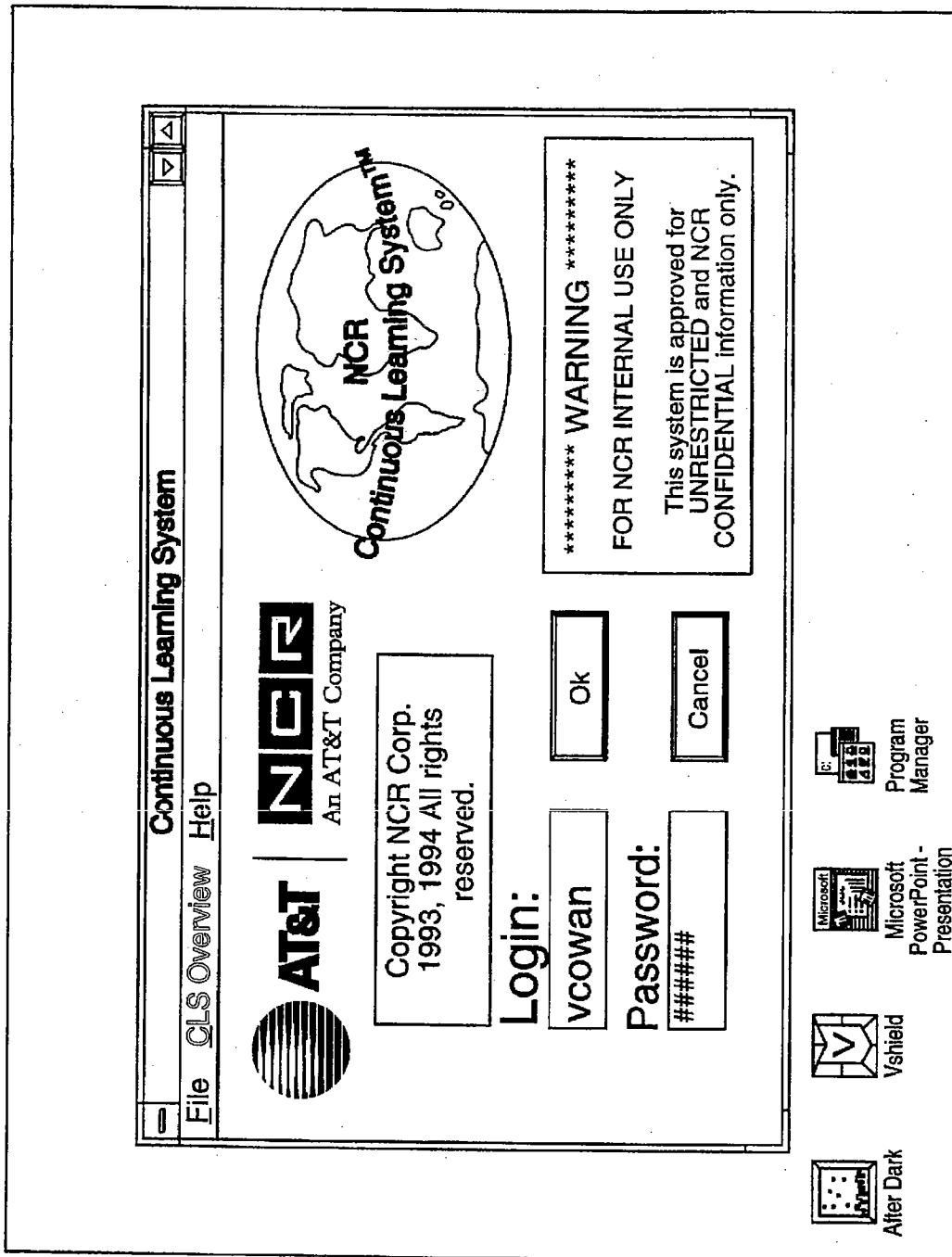


FIG. 3

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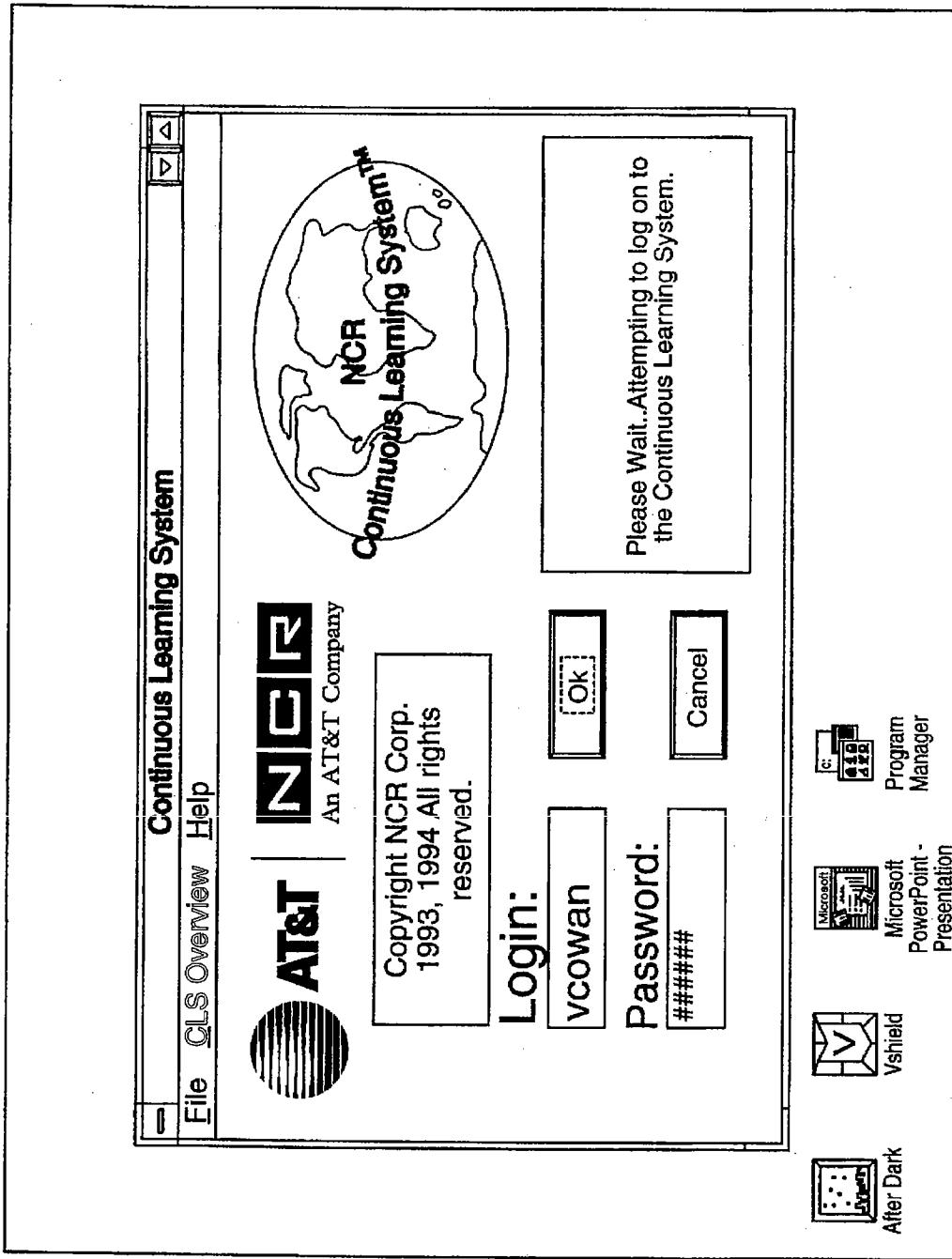


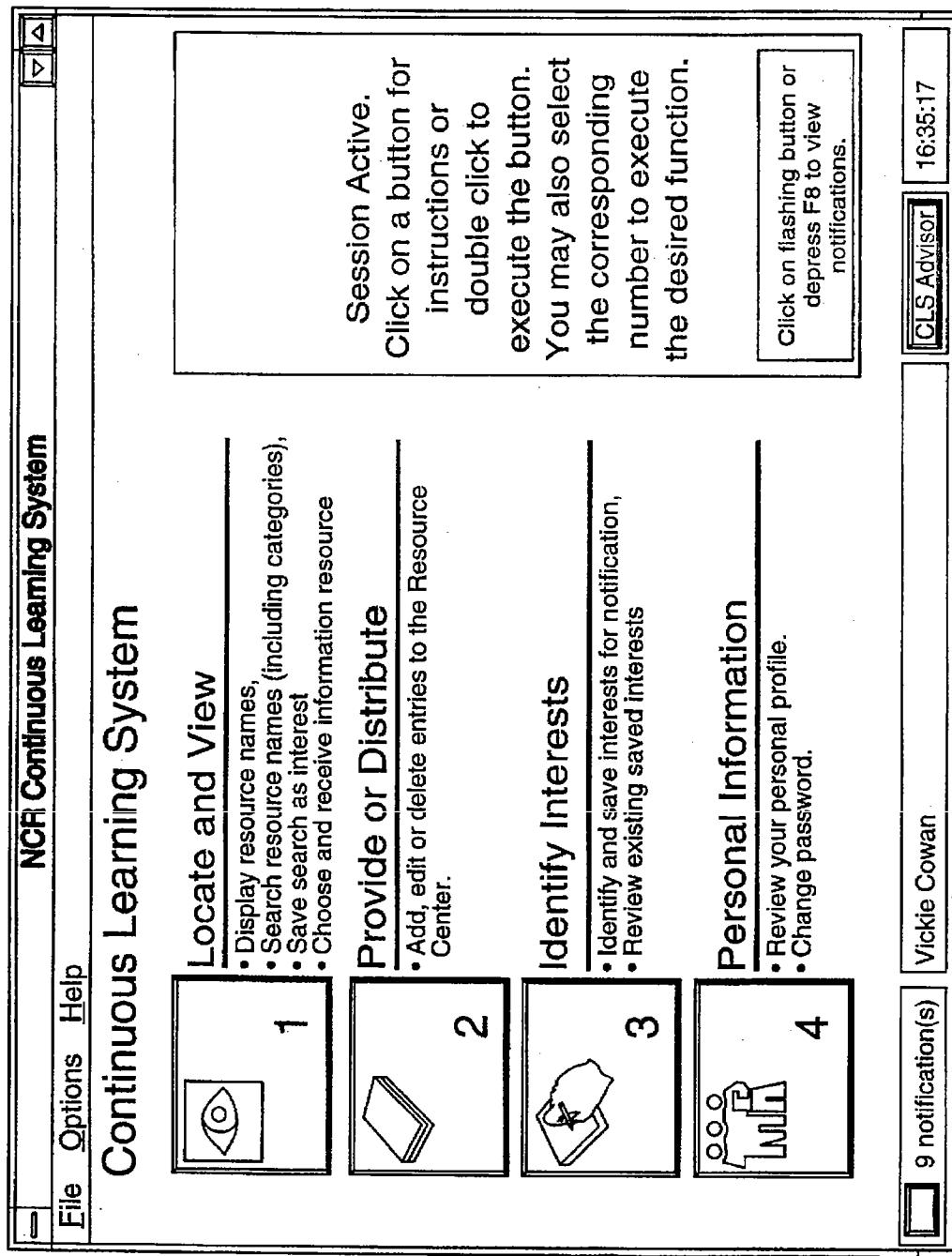
FIG. 4

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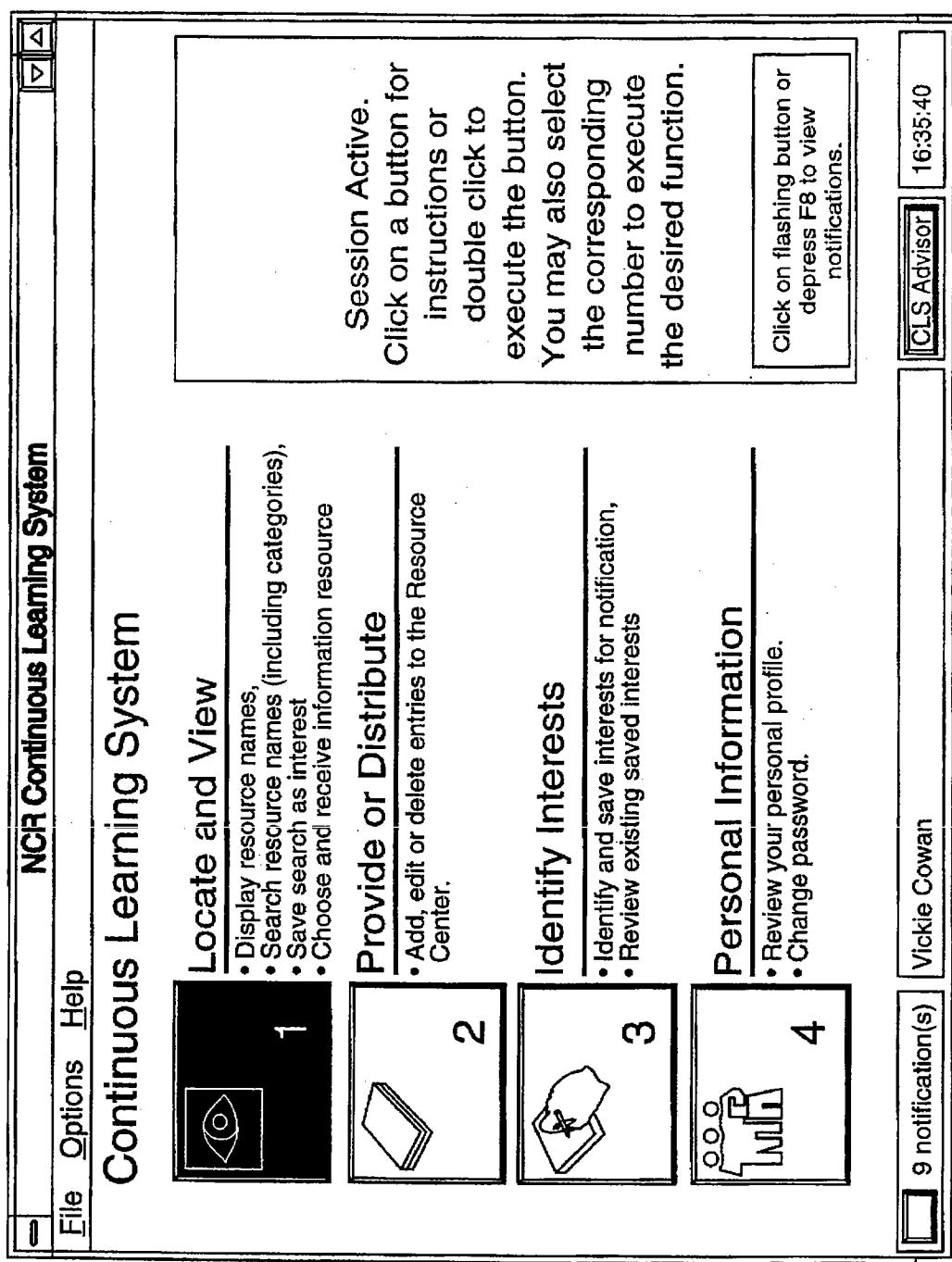
**FIG. 5**

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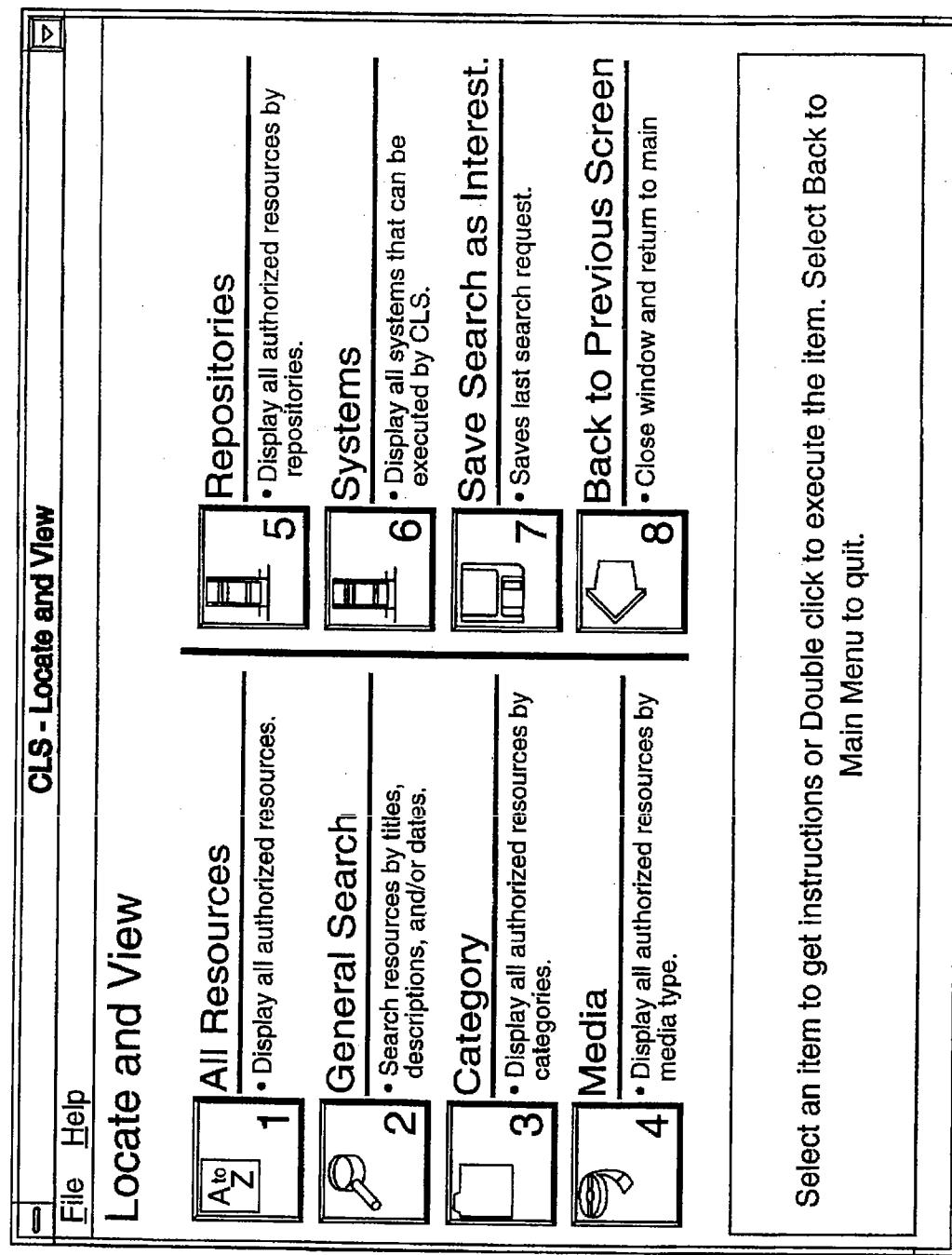
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**FIG. 6**

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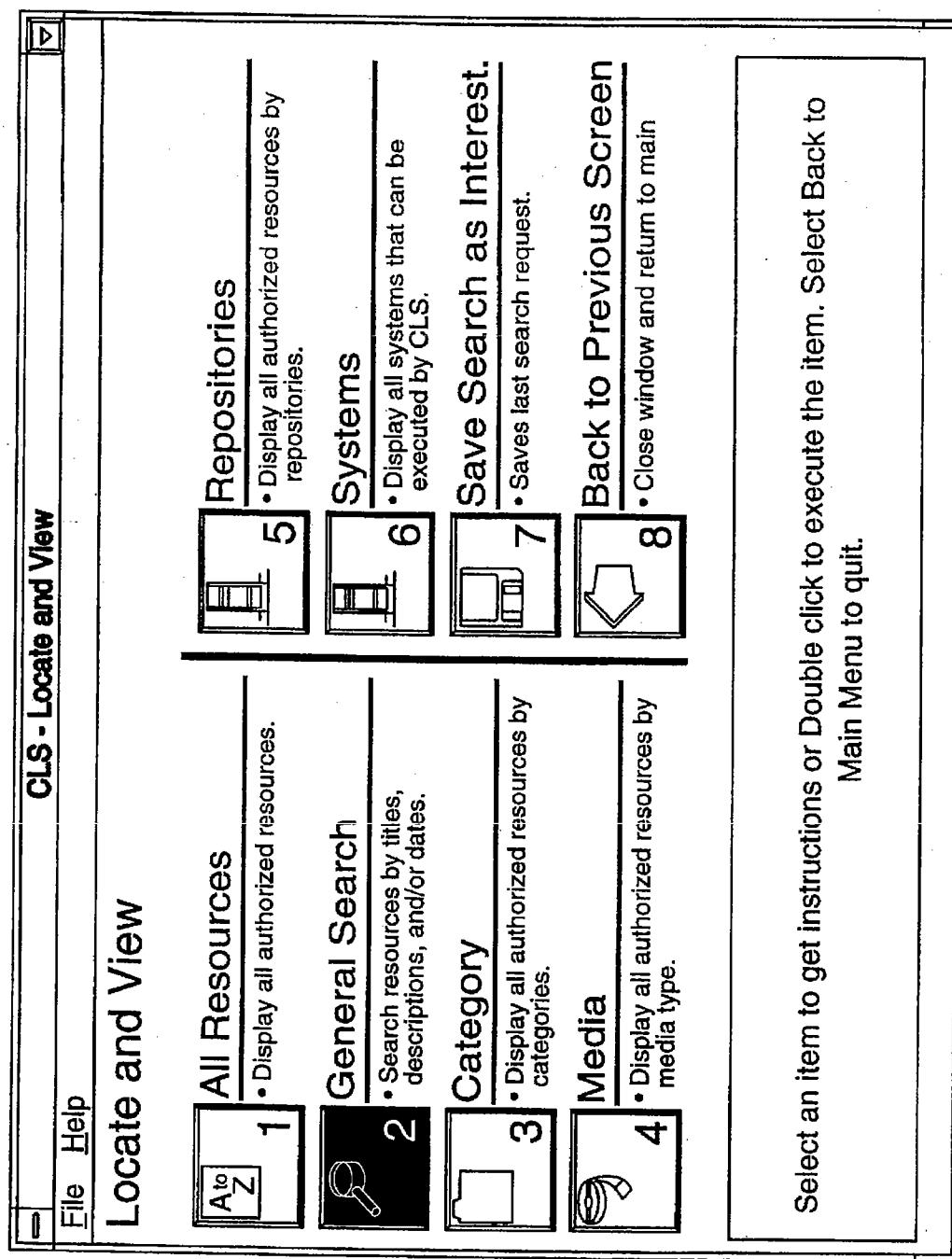
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5,699,526**FIG. 7**

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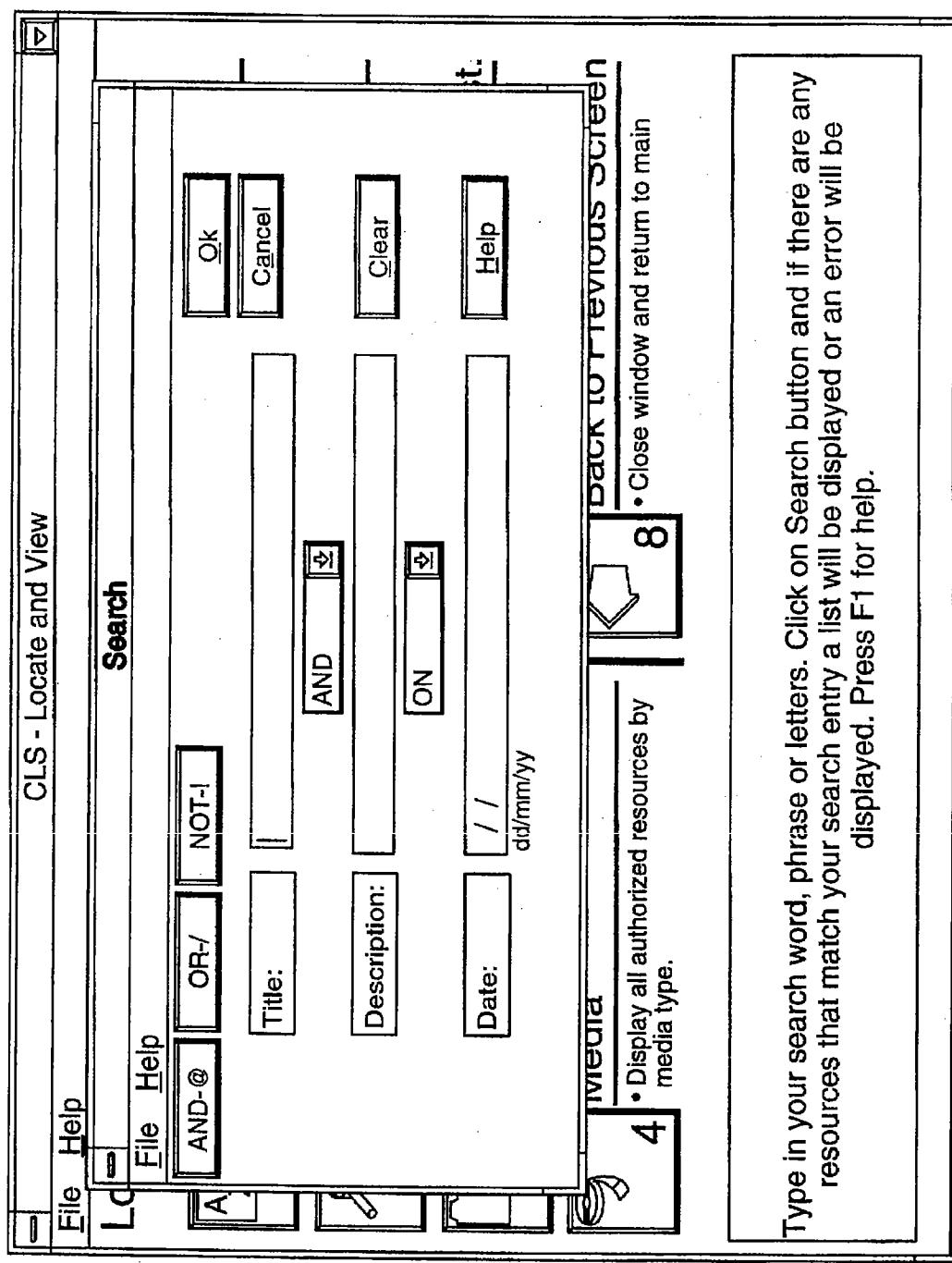
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5,699,526**FIG. 8**

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5,699,526**FIG. 9**

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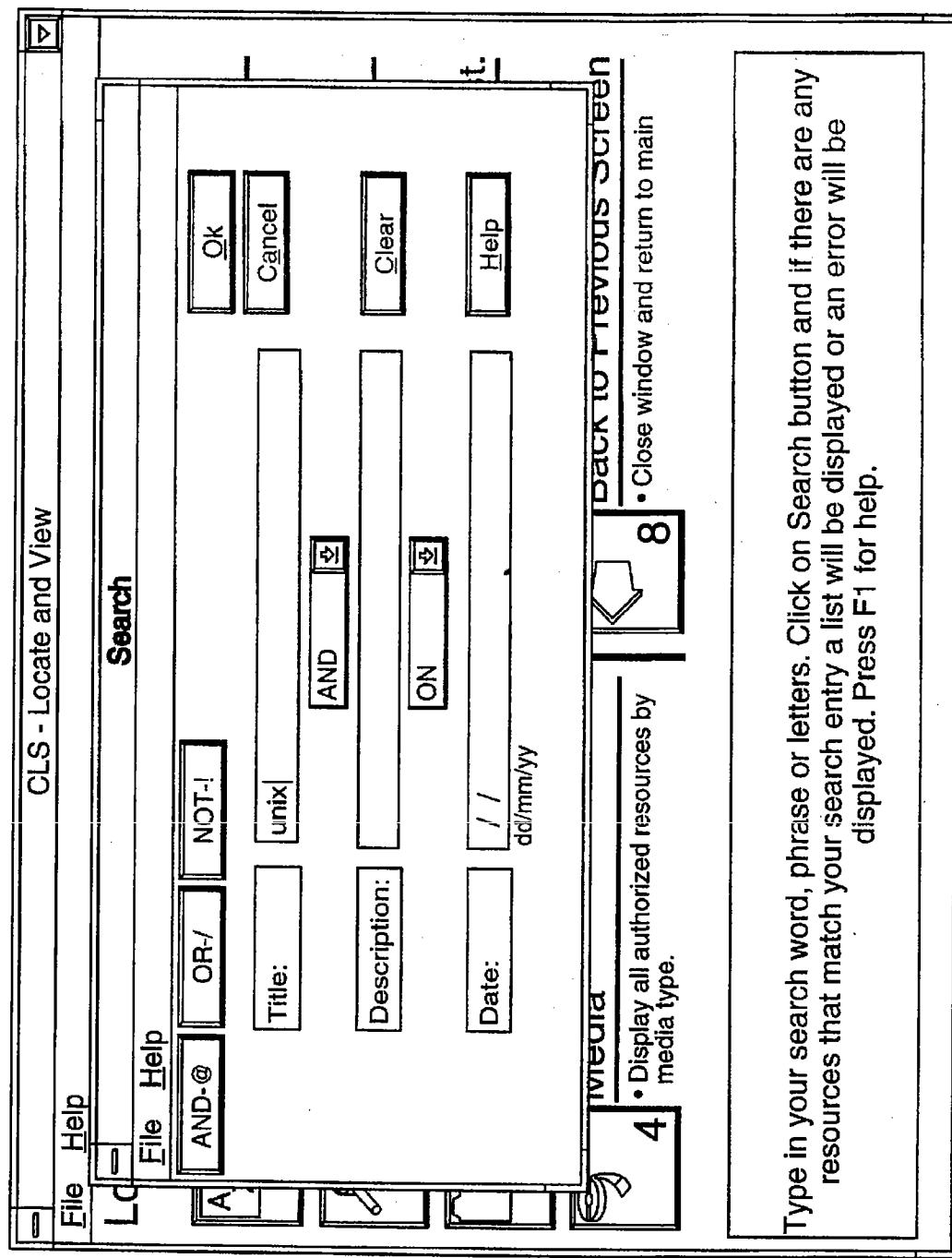
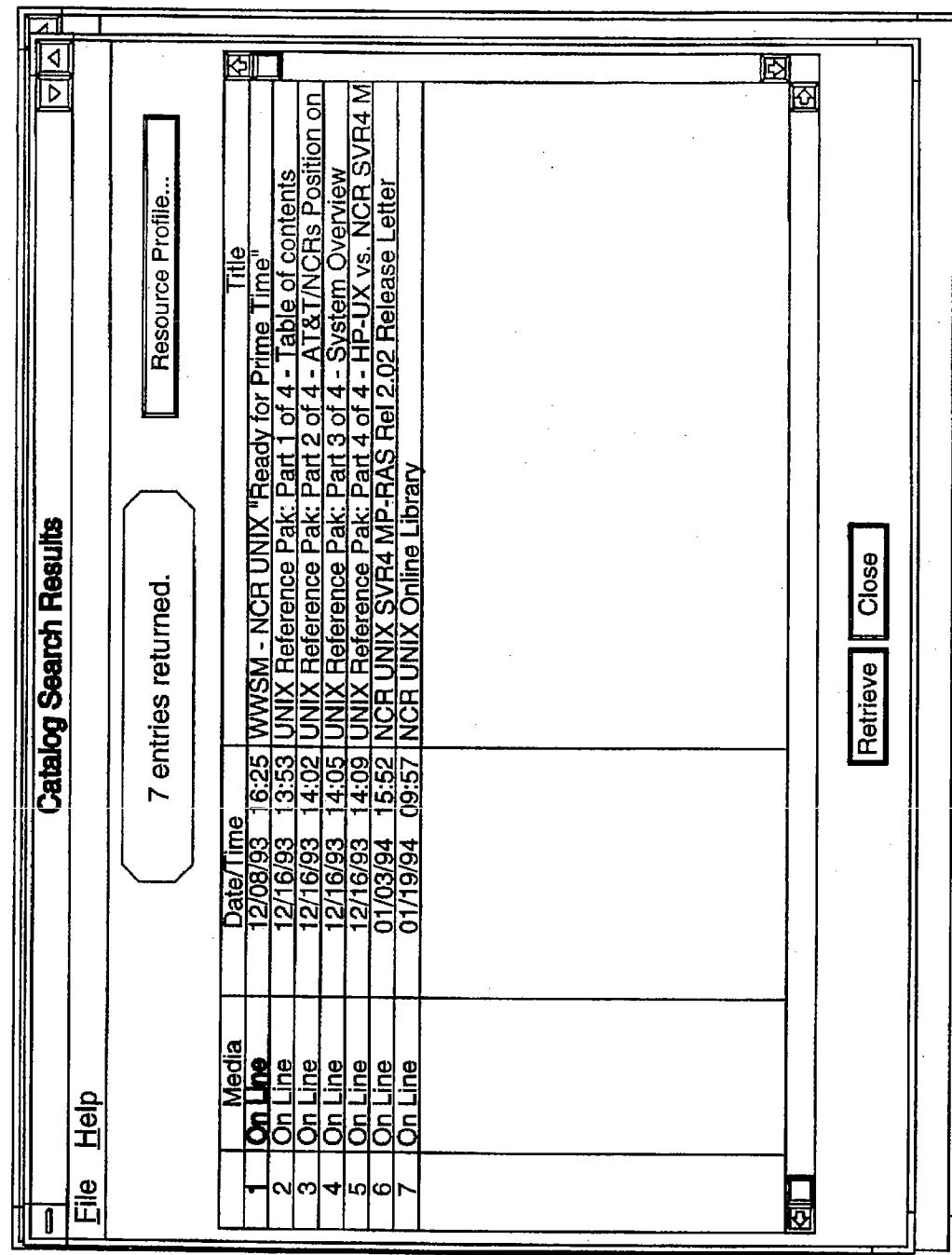


FIG. 10

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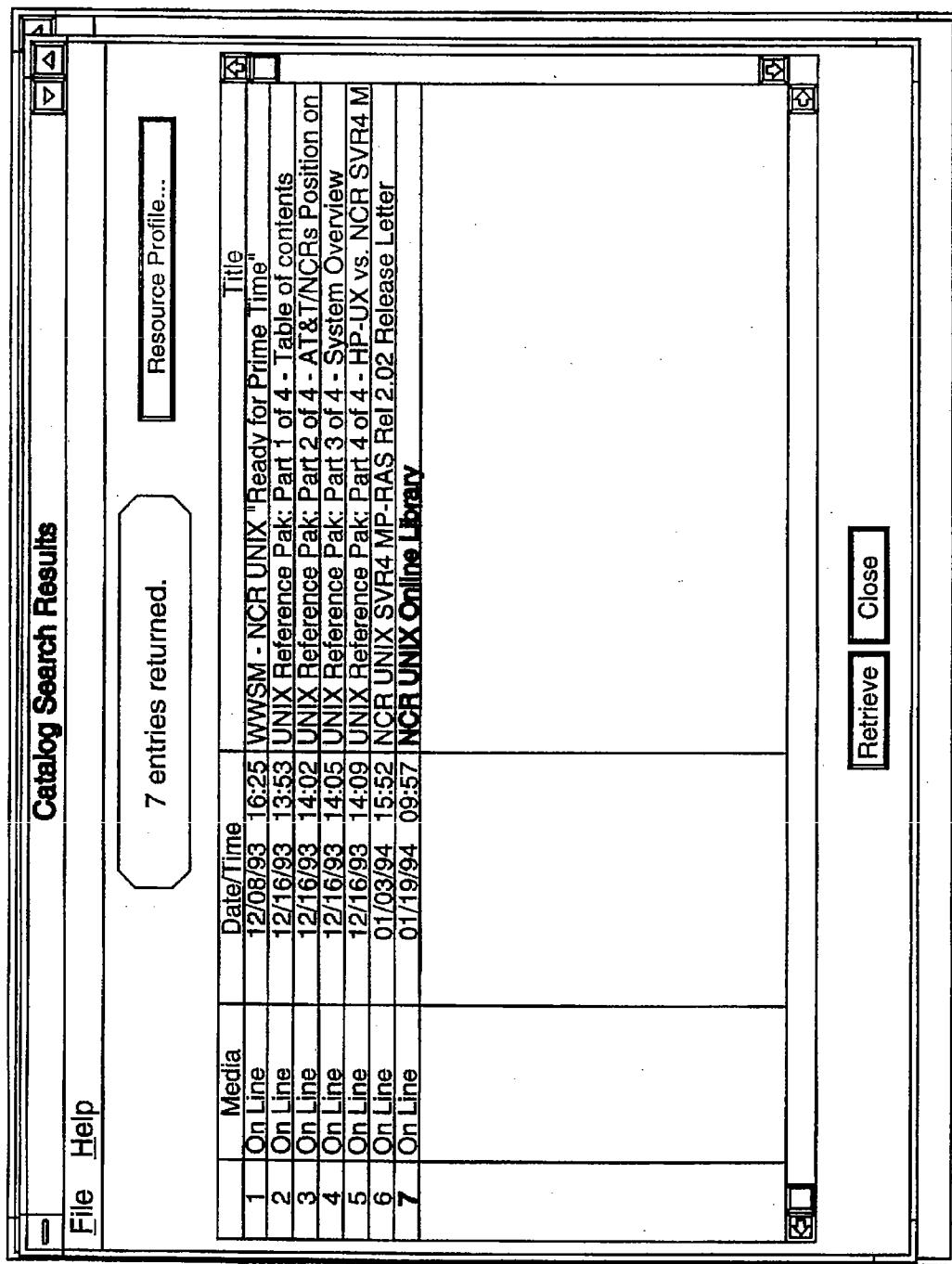
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5,699,526**FIG. 11**

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5,699,526**FIG. 12**

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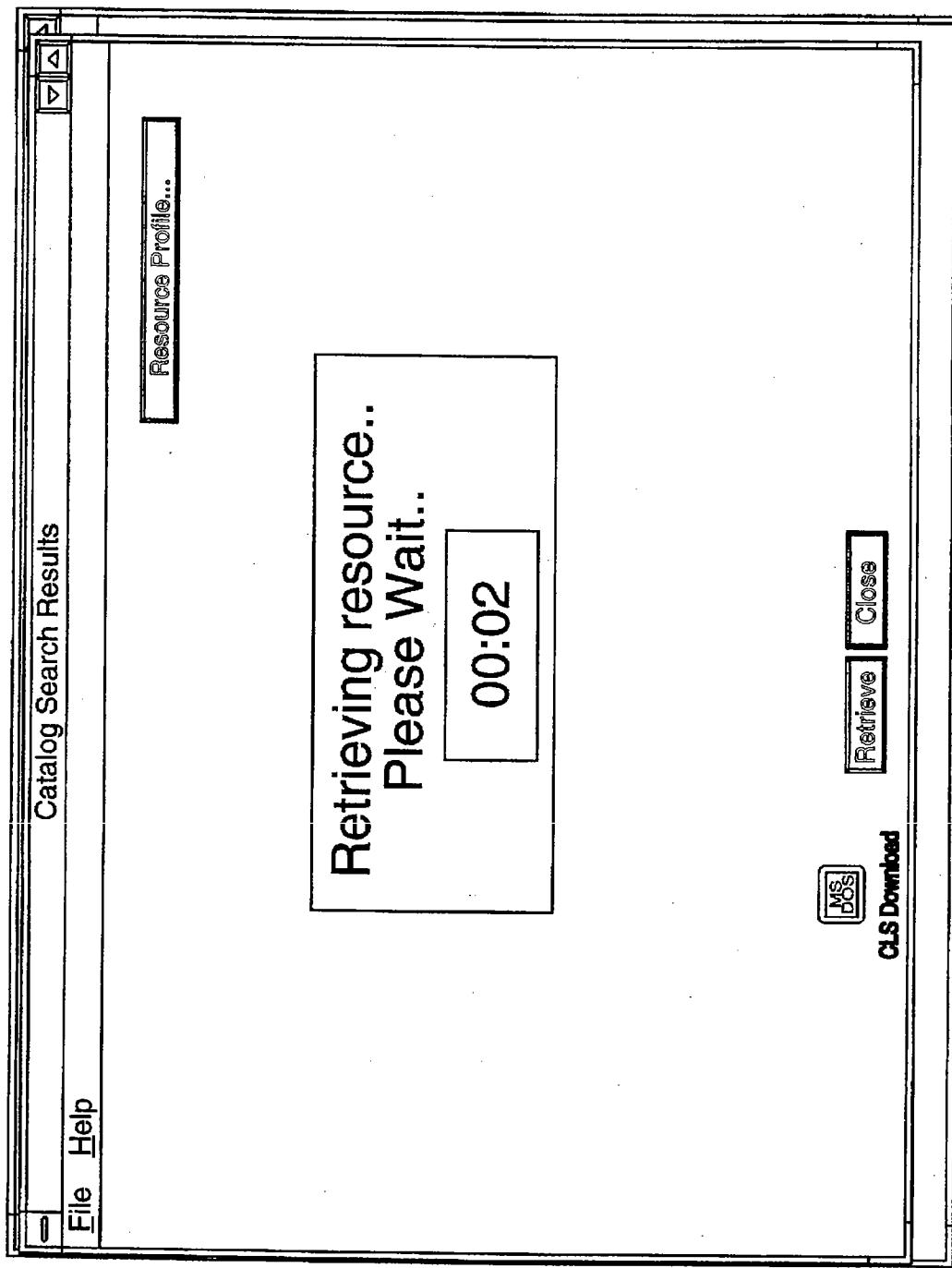


FIG. 13

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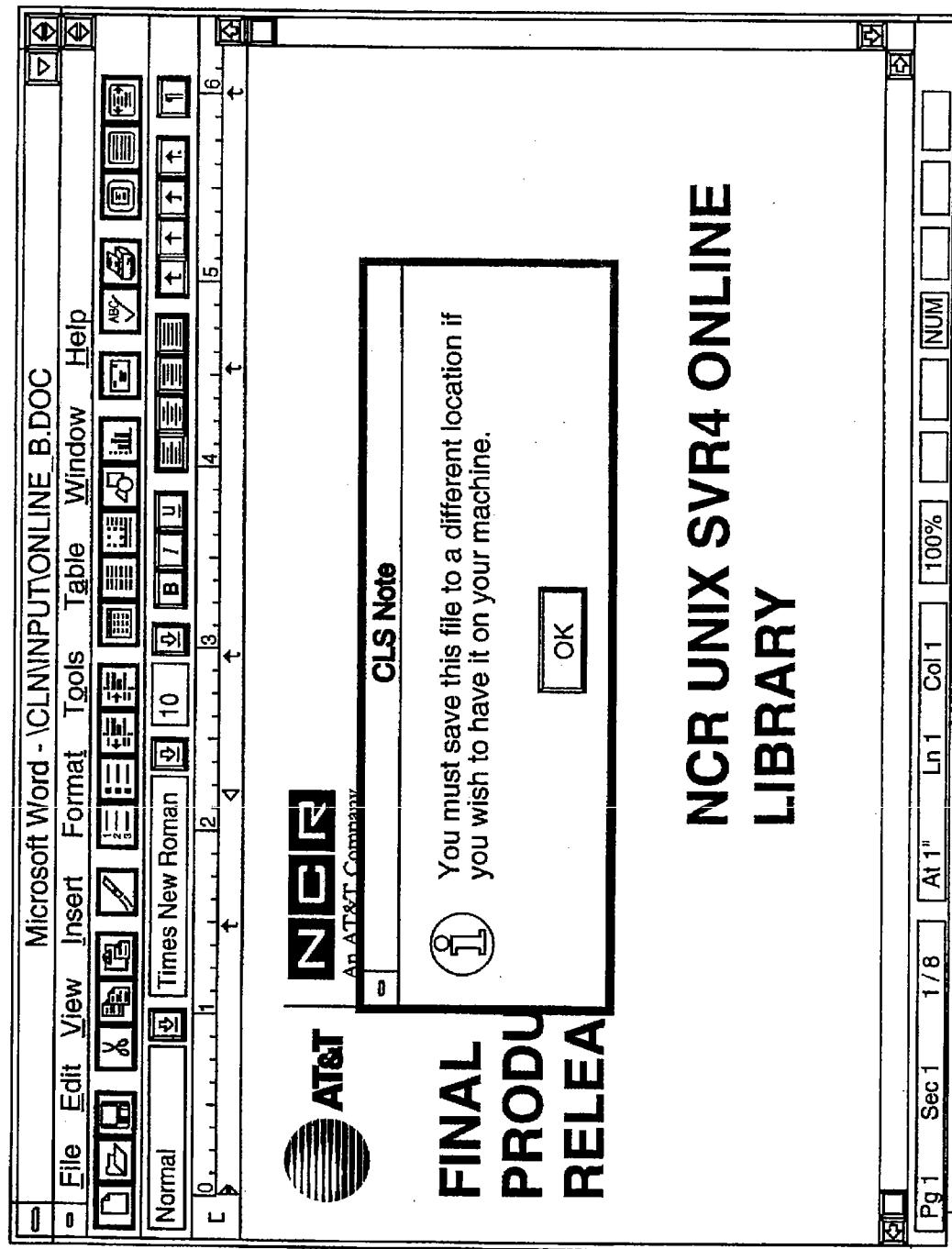


FIG. 14

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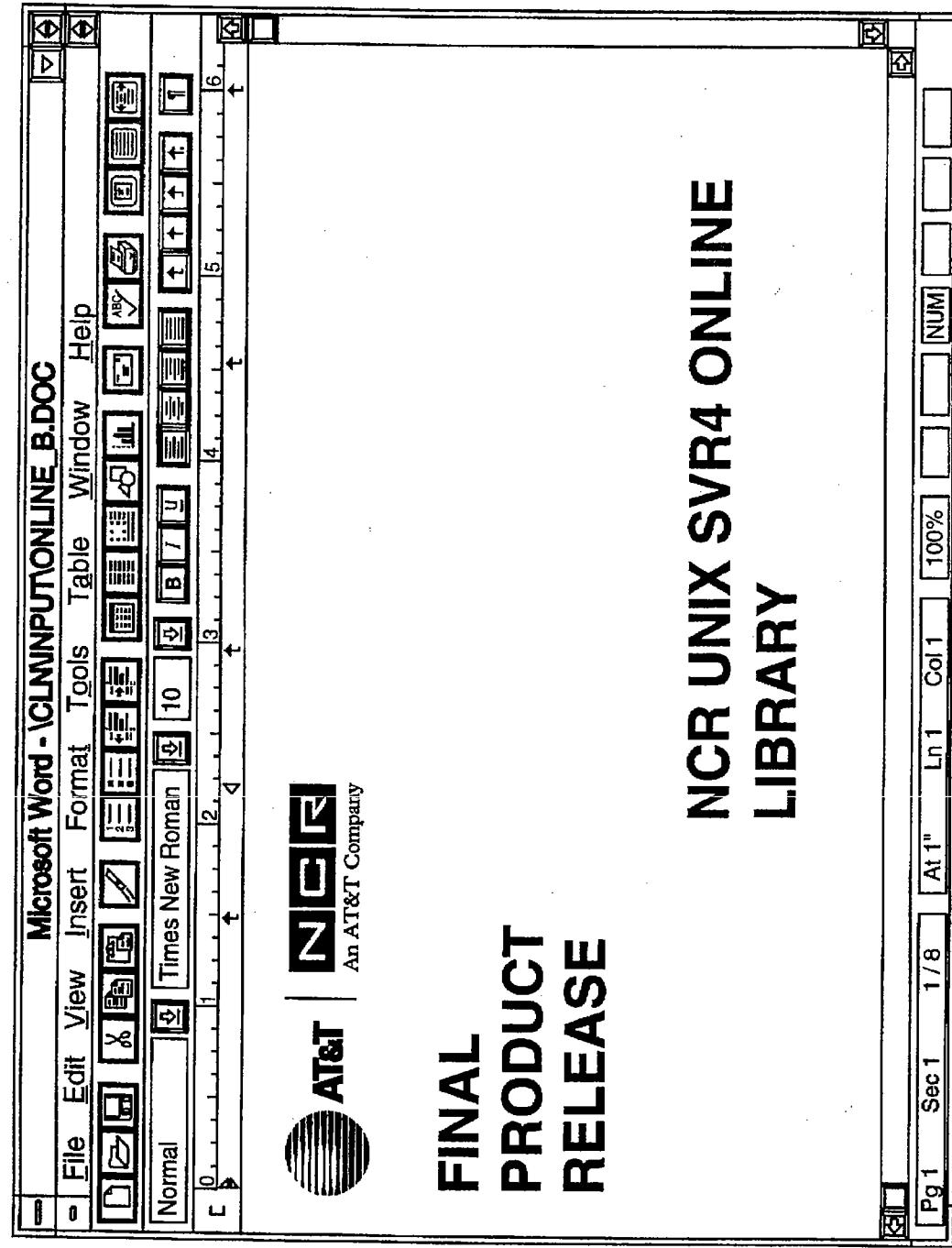


FIG. 15

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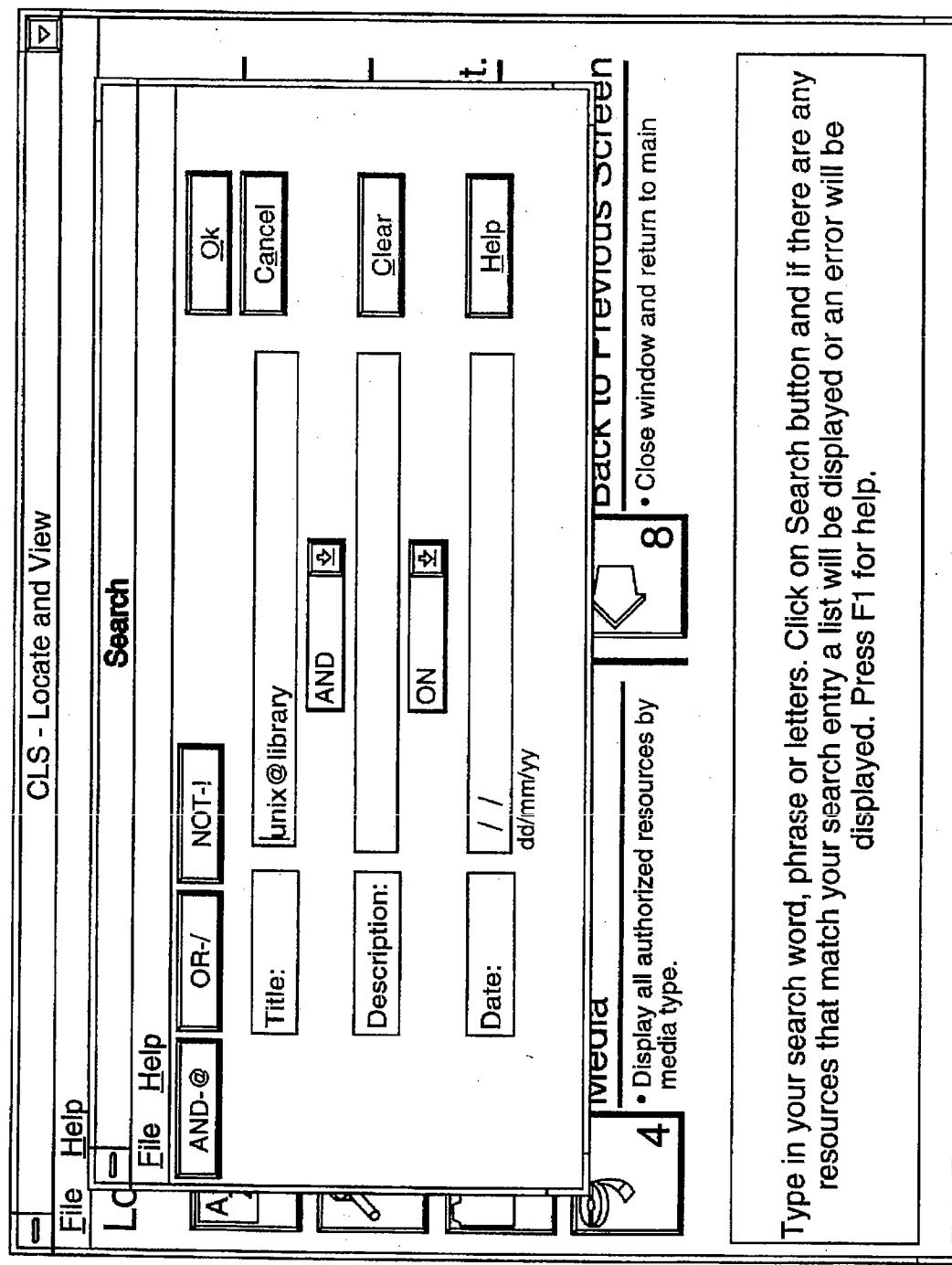
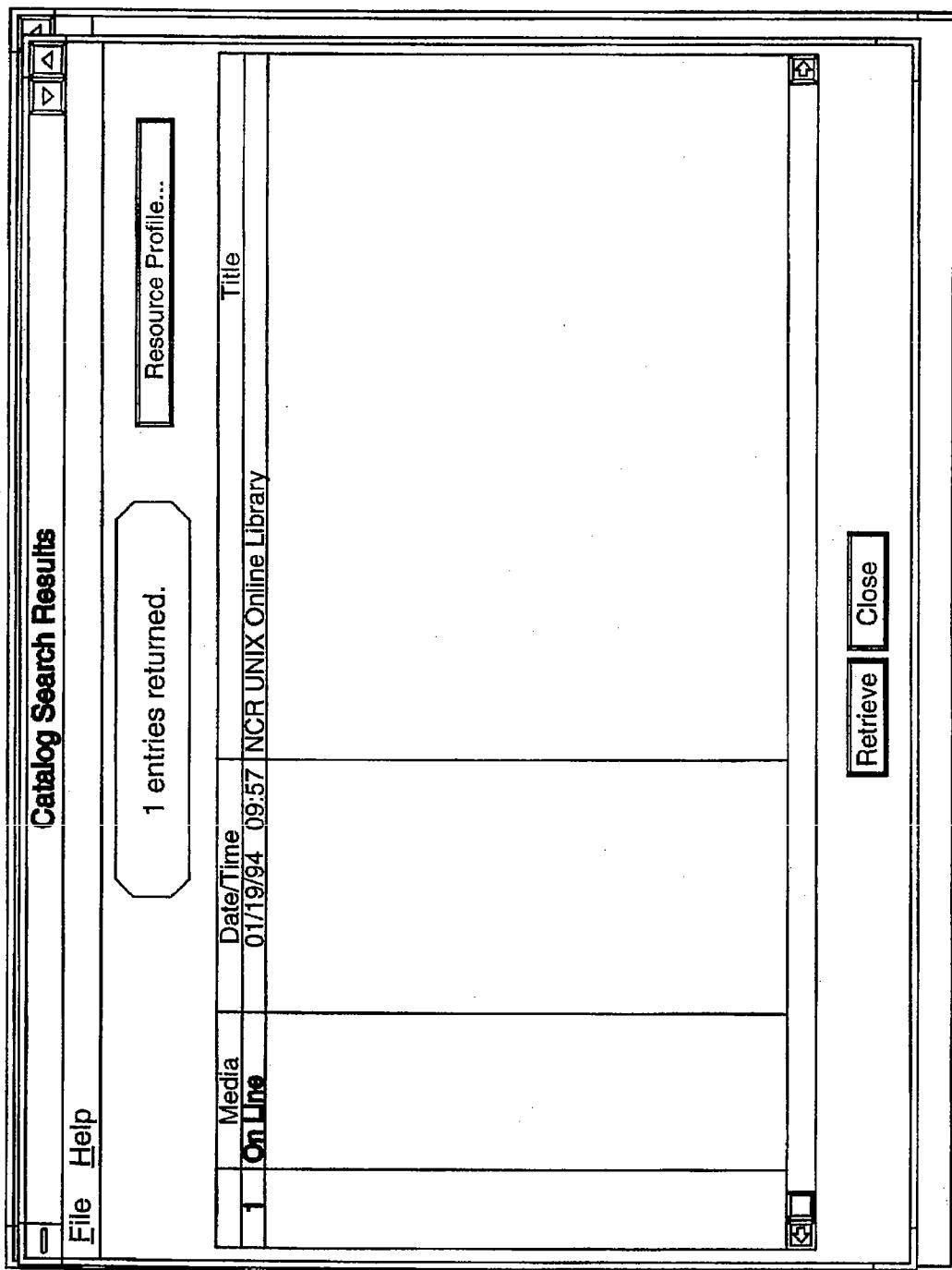


FIG. 16

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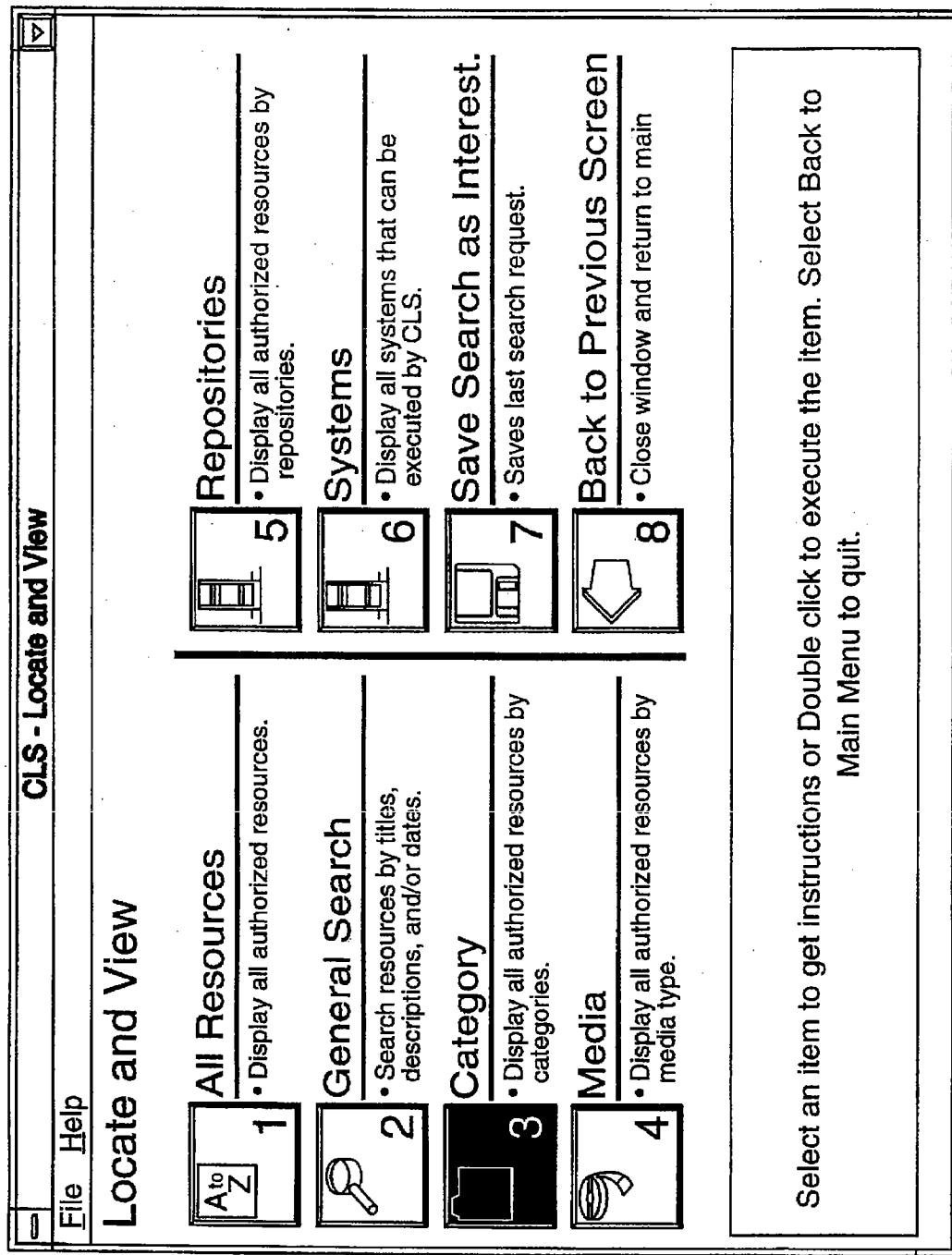
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5,699,526**FIG. 17**

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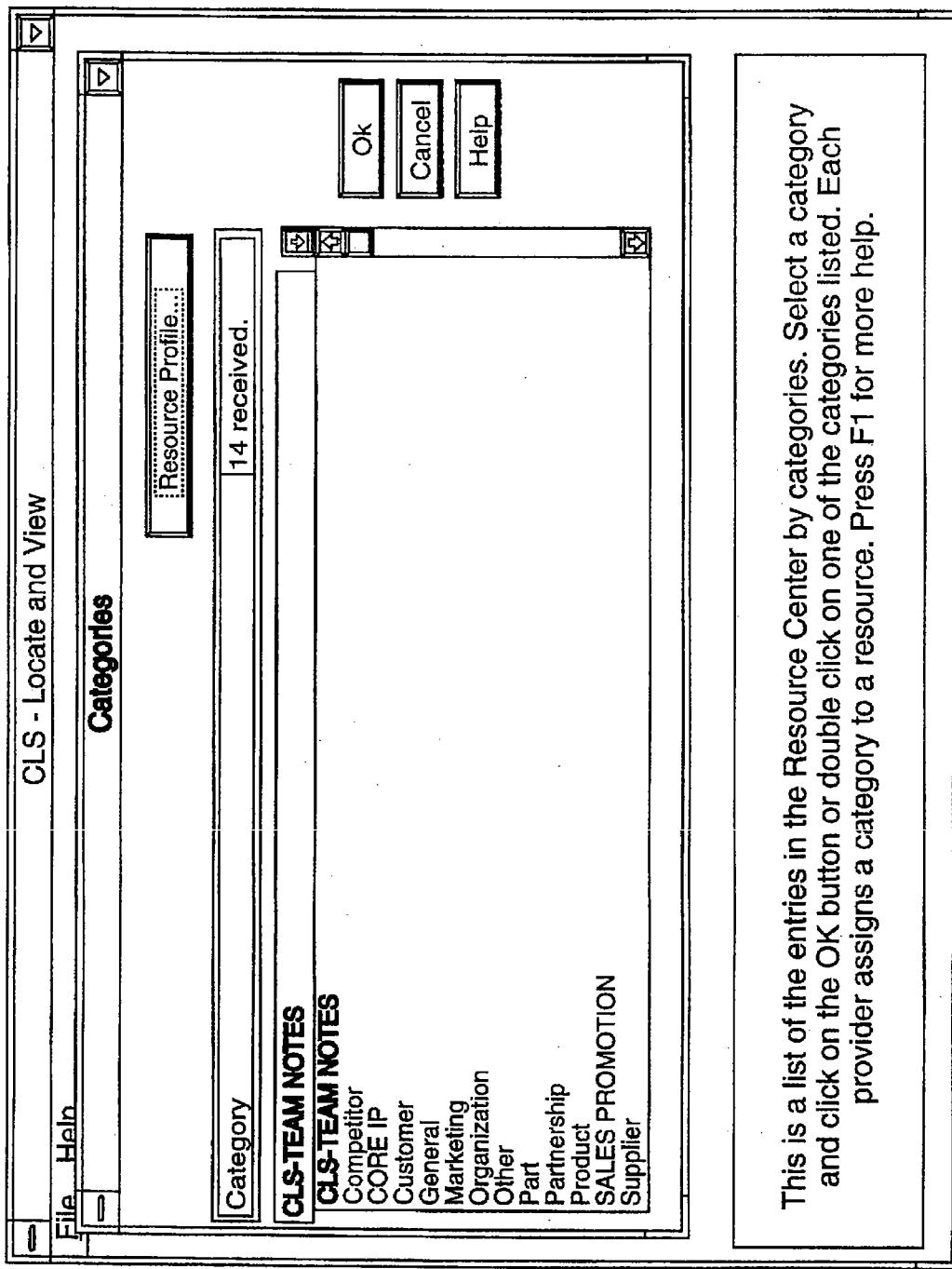
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5,699,526**FIG. 18**

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5,699,526**FIG. 19**

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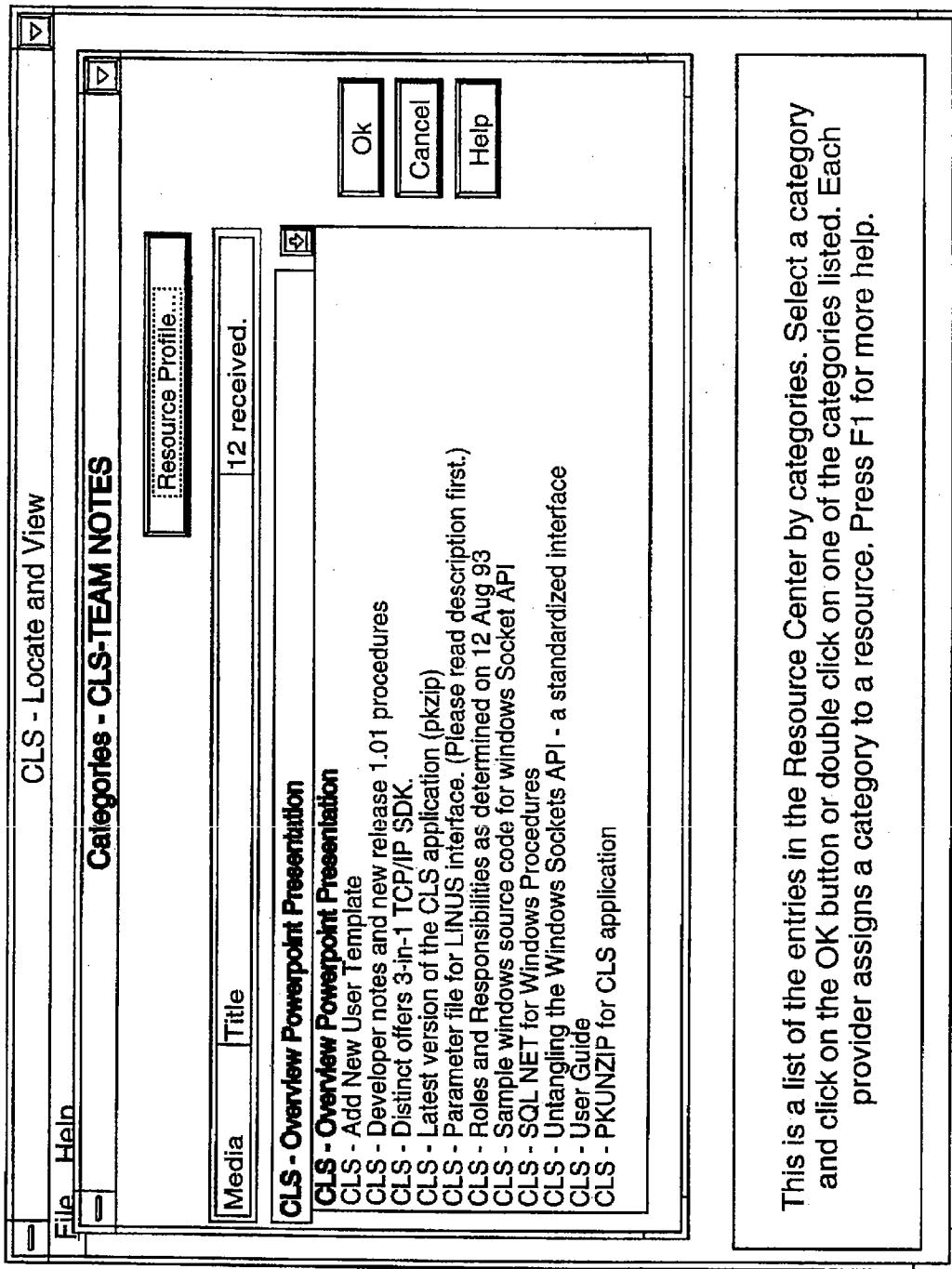


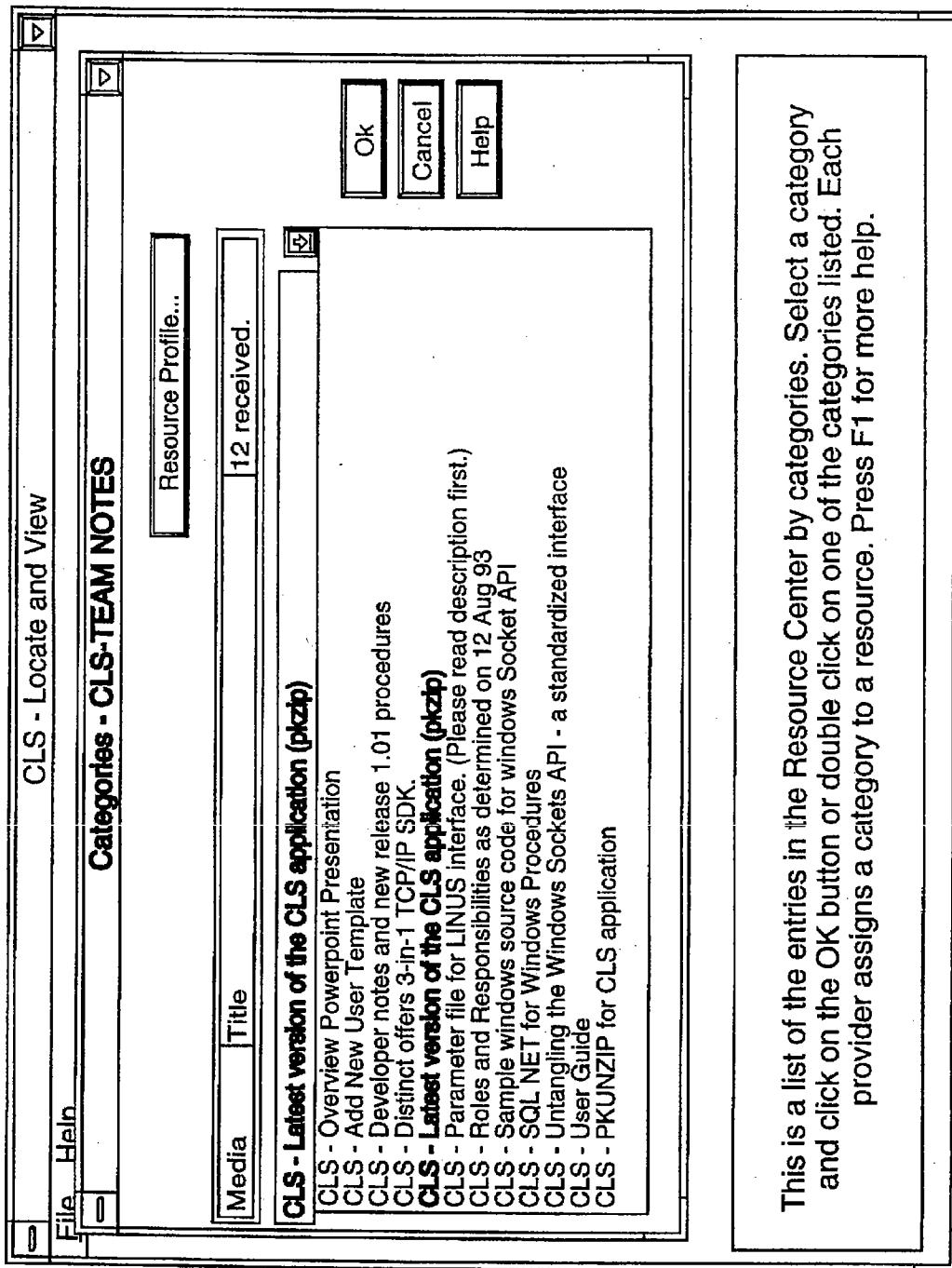
FIG. 20

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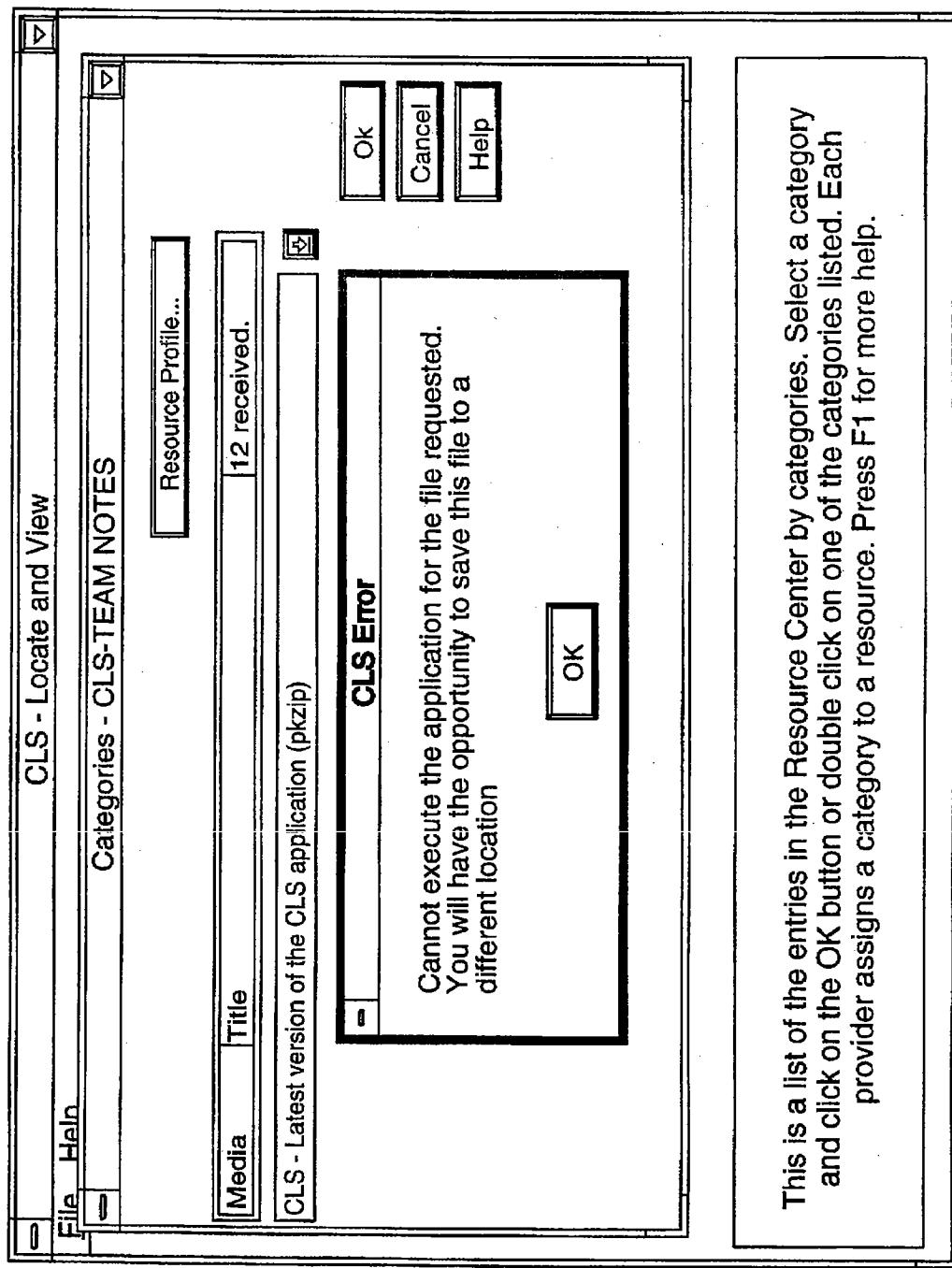
This is a list of the entries in the Resource Center by categories. Select a category and click on the OK button or double click on one of the categories listed. Each provider assigns a category to a resource. Press F1 for more help.

FIG. 21

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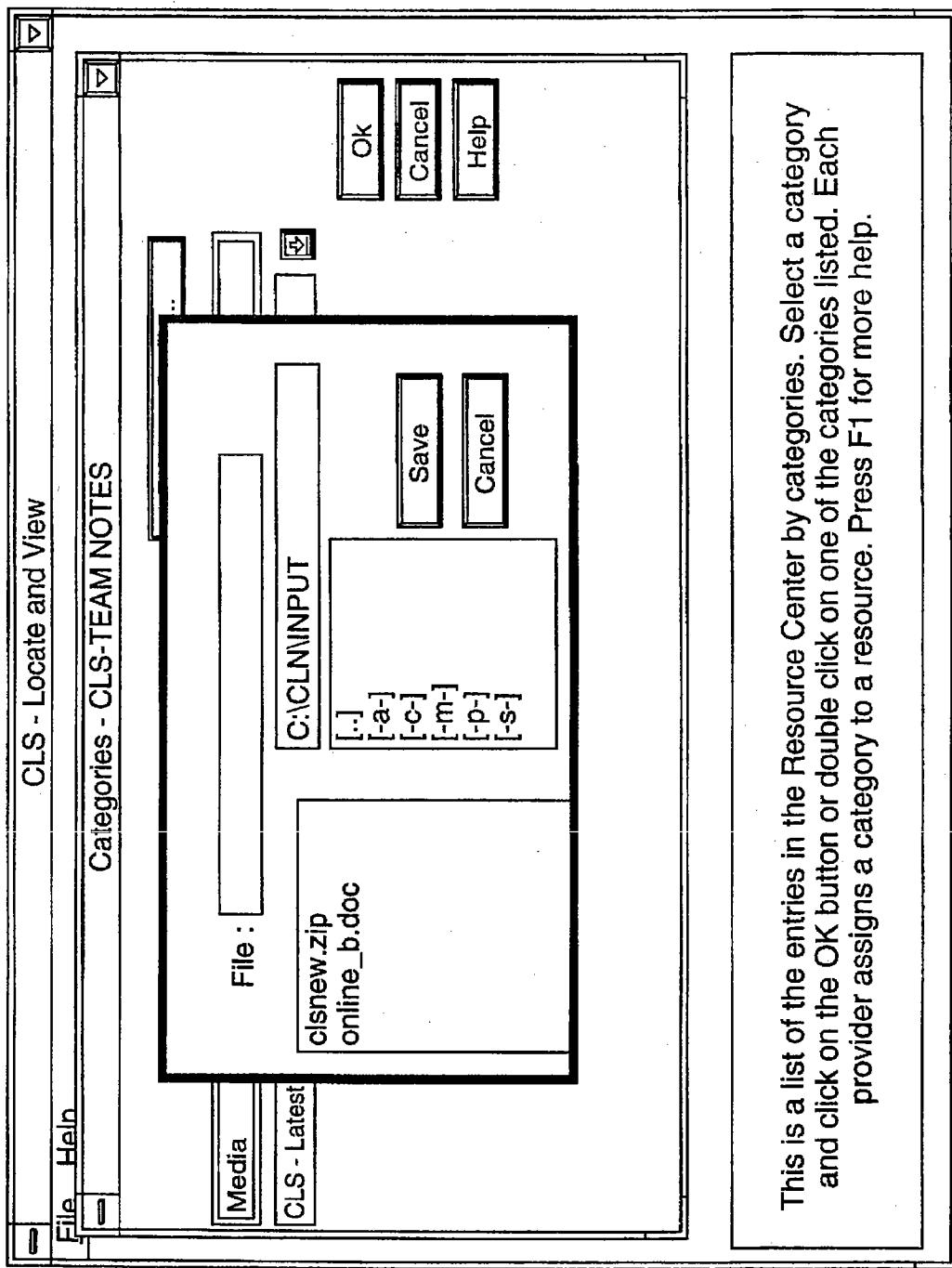
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5,699,526**FIG. 22**

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5,699,526**FIG. 23**

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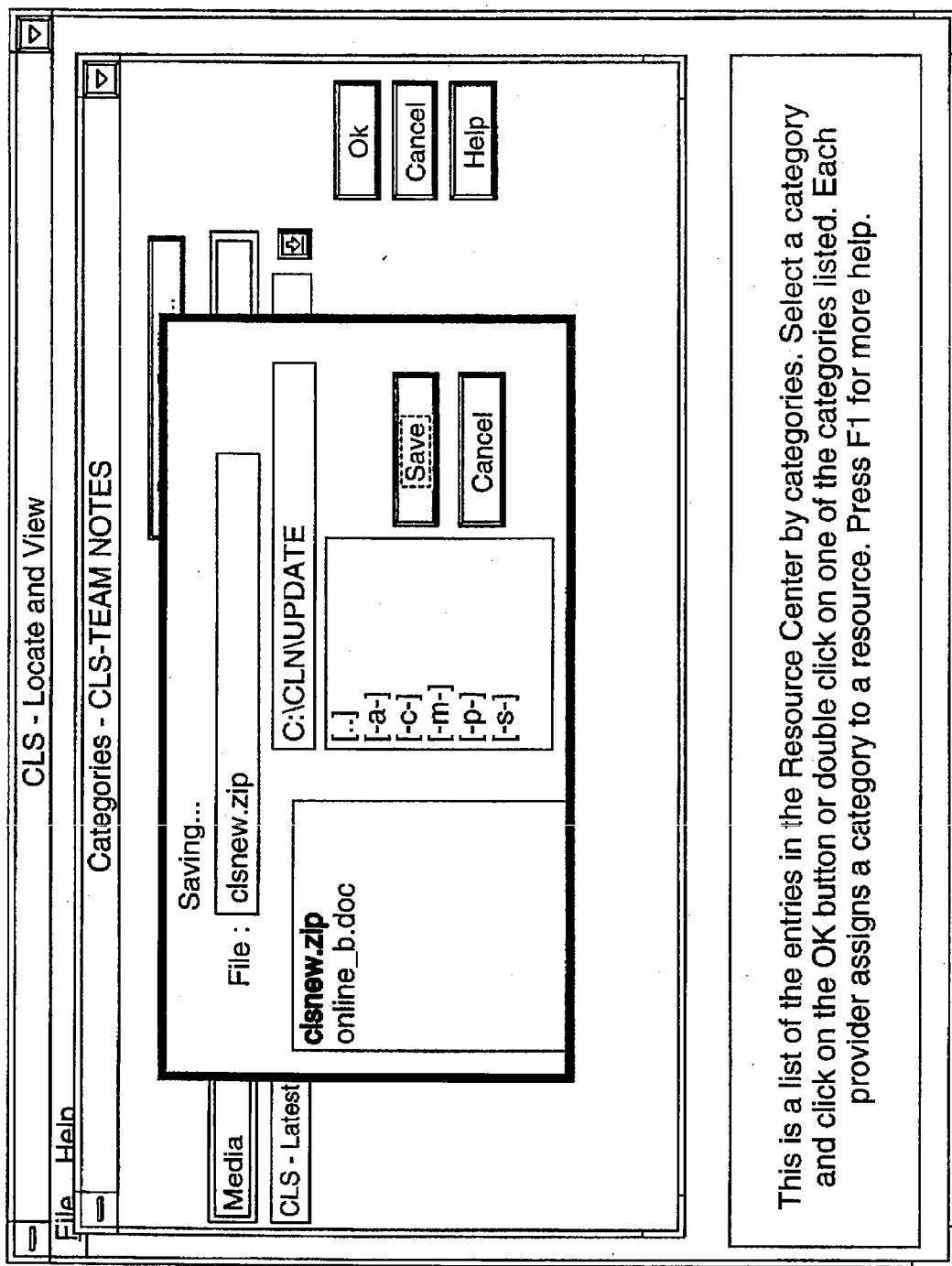
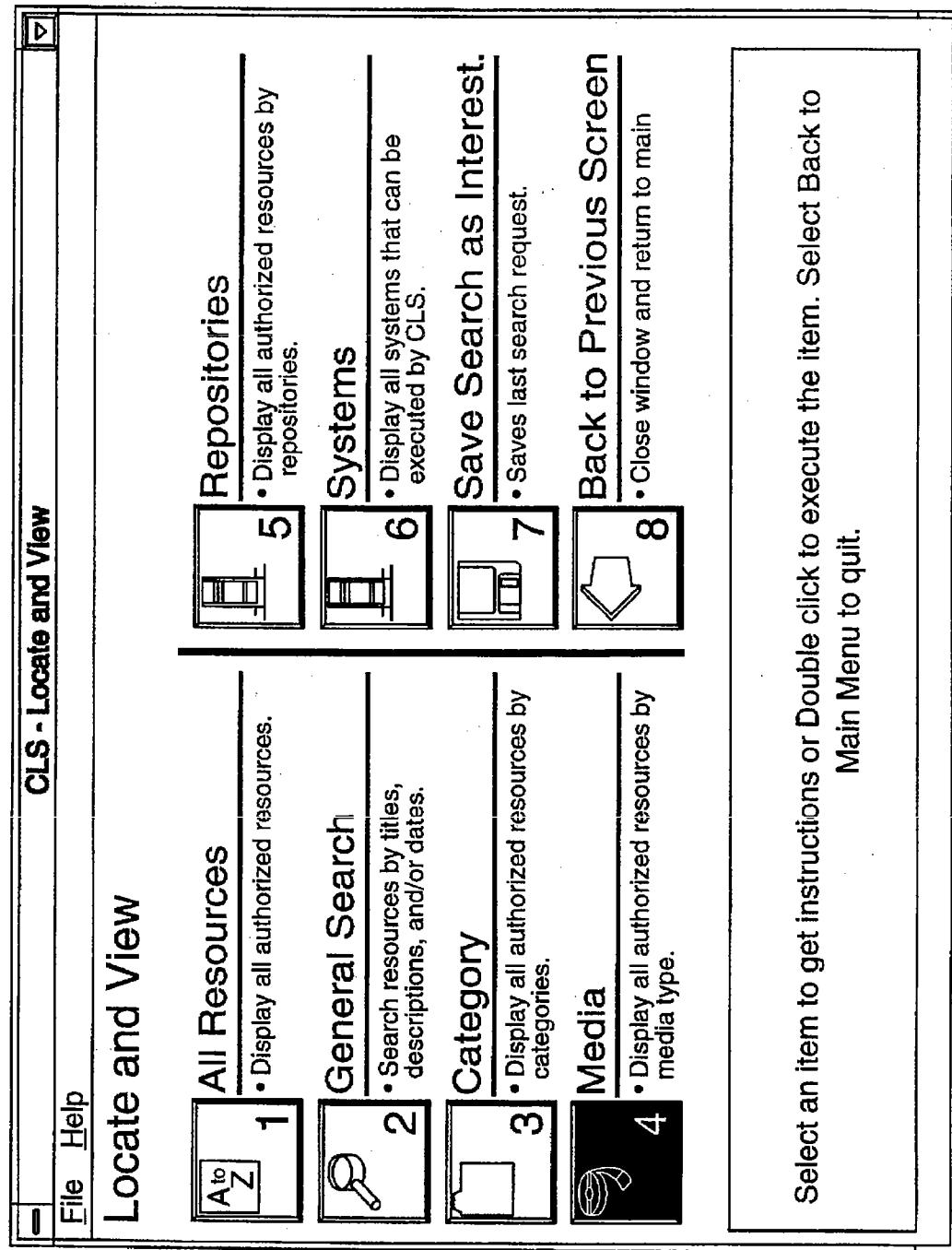


FIG. 24

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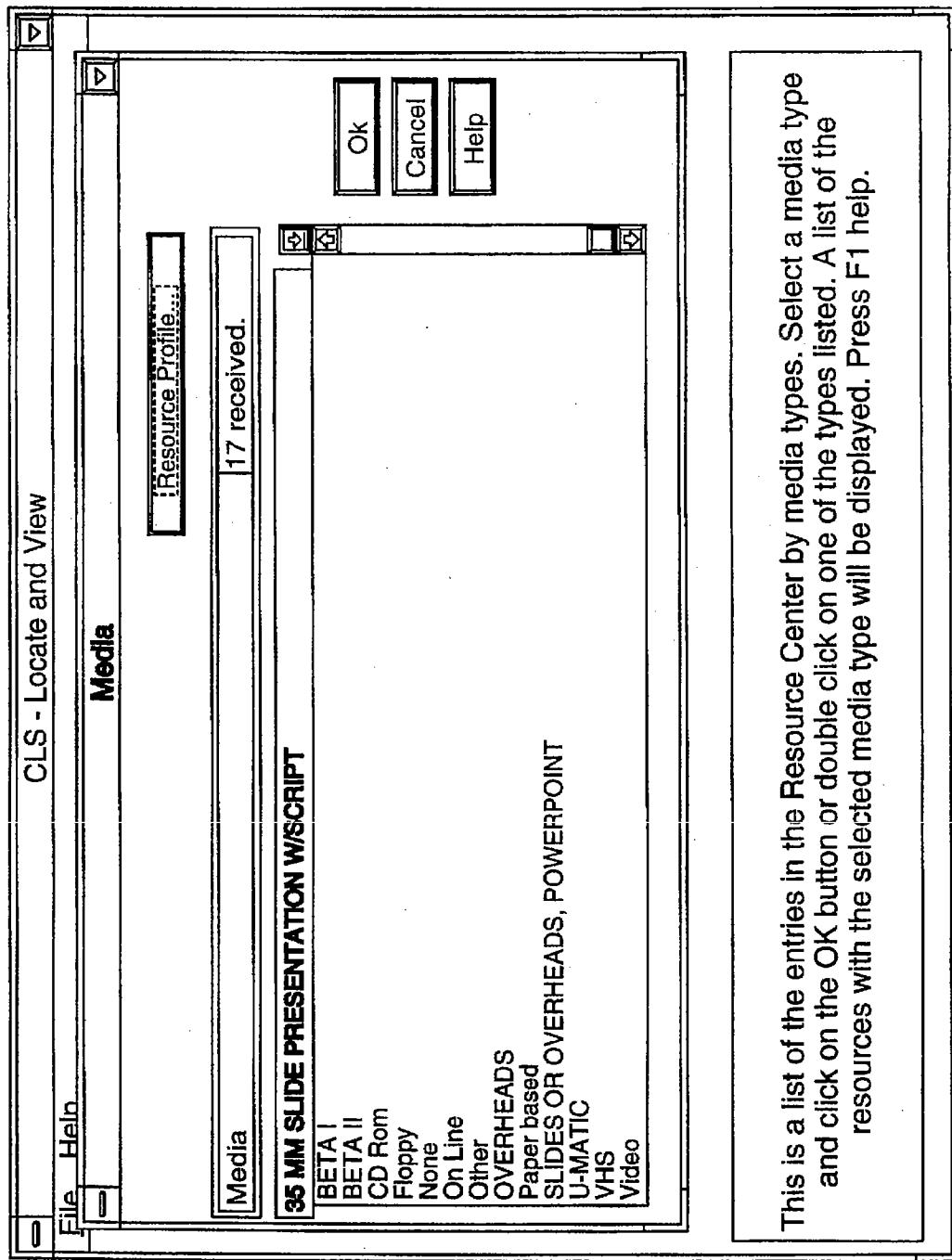
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5,699,526**FIG. 25**

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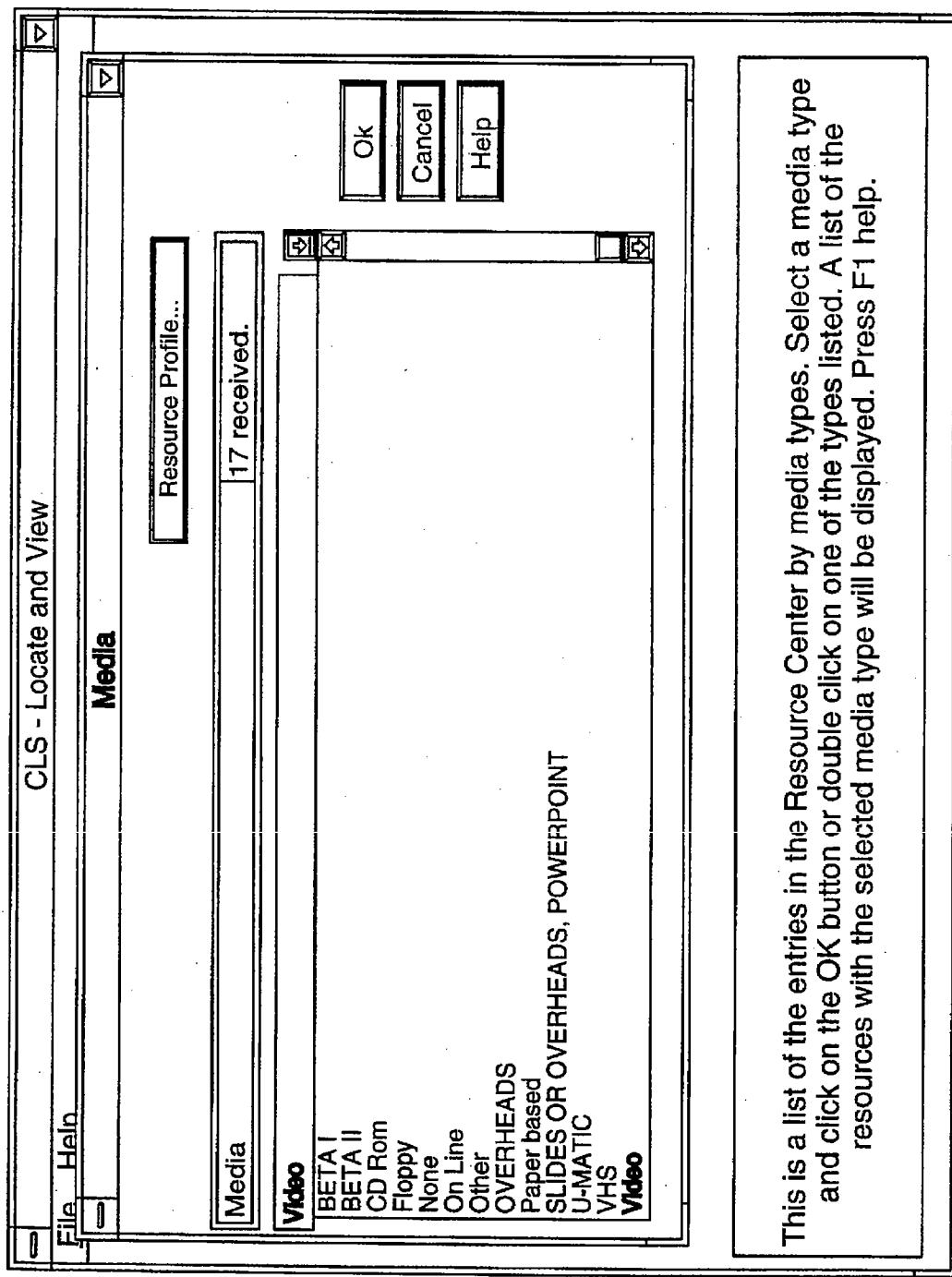
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5,699,526**FIG. 26**

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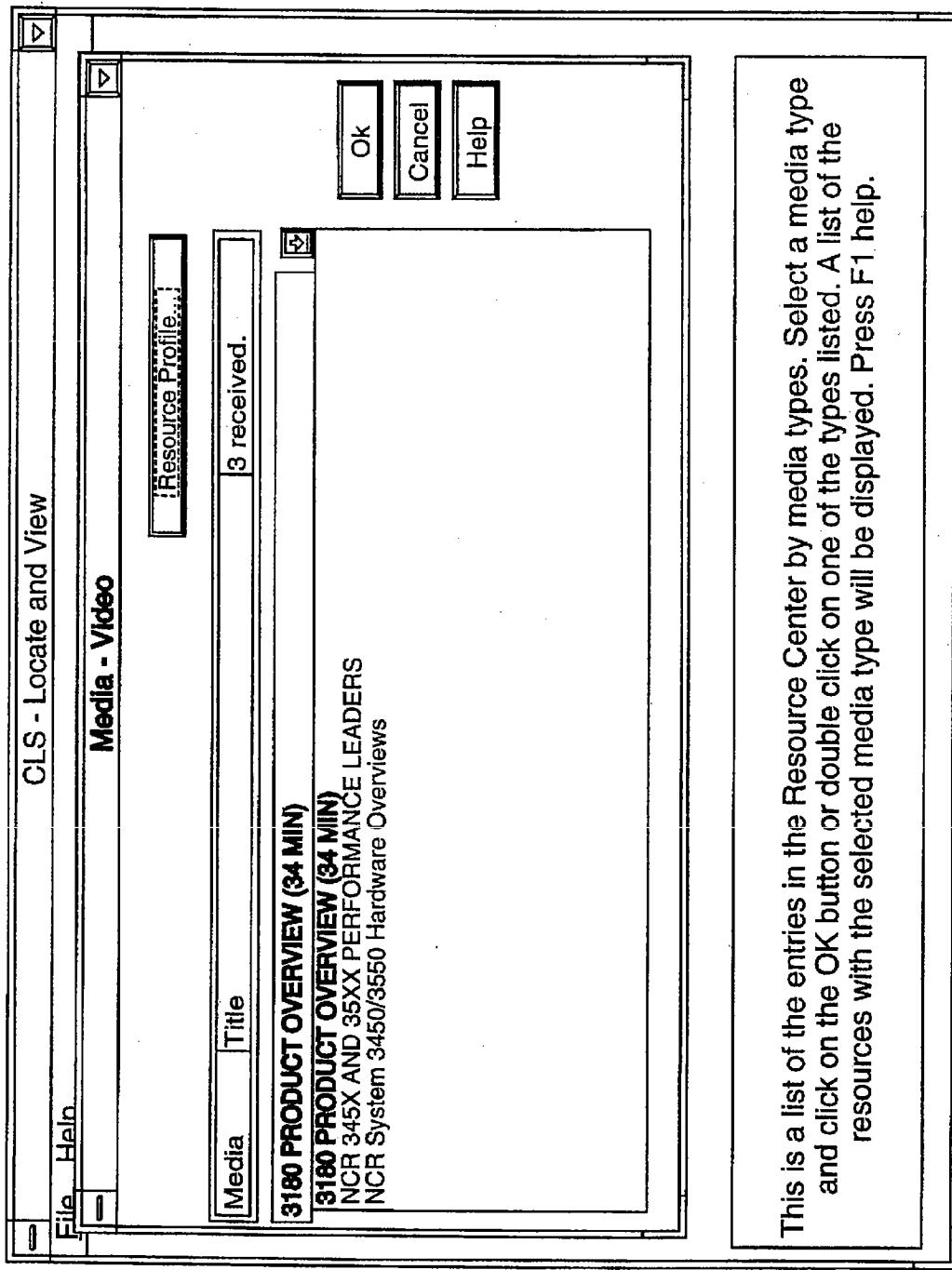
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5,699,526**FIG. 27**

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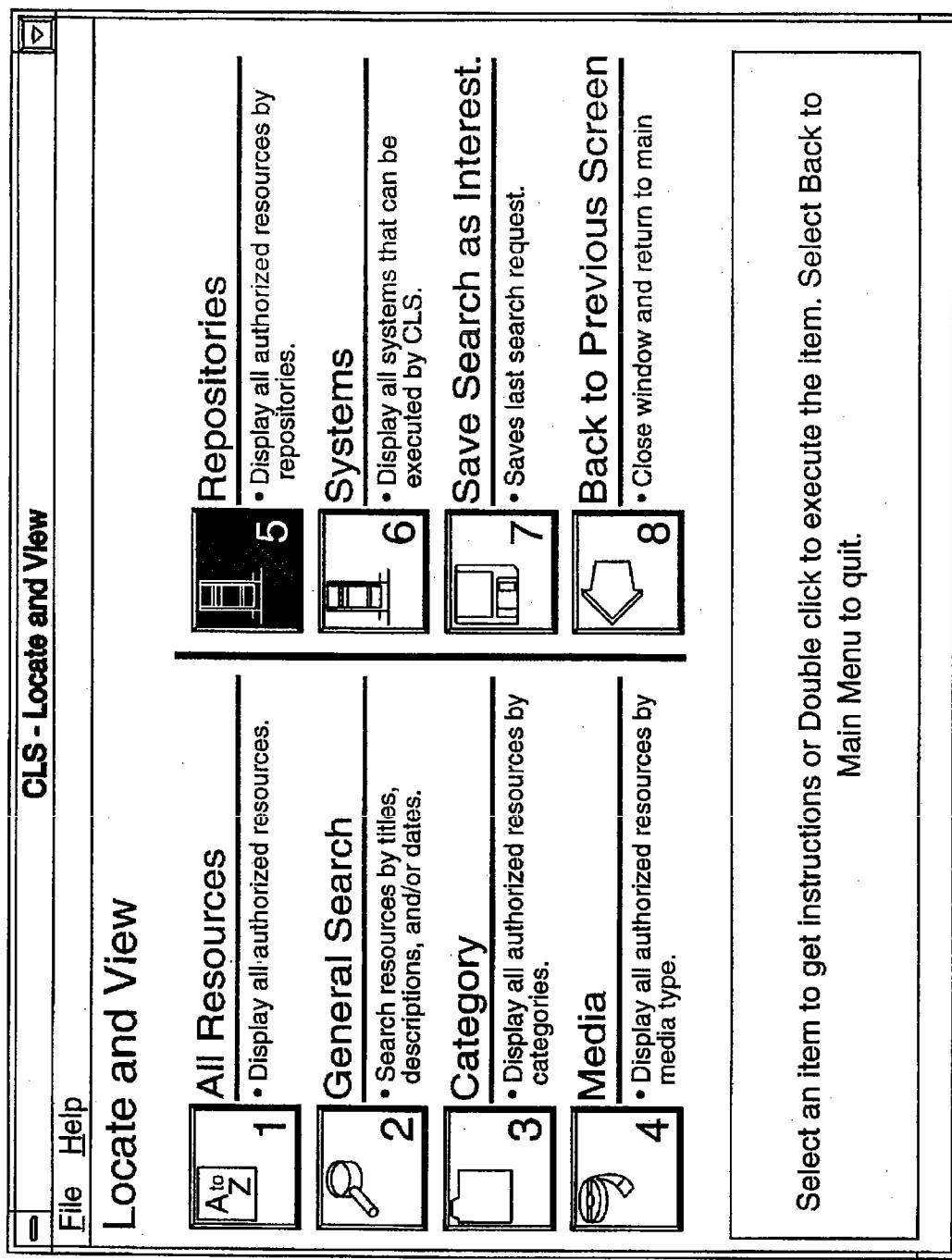
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5,699,526**FIG. 28**

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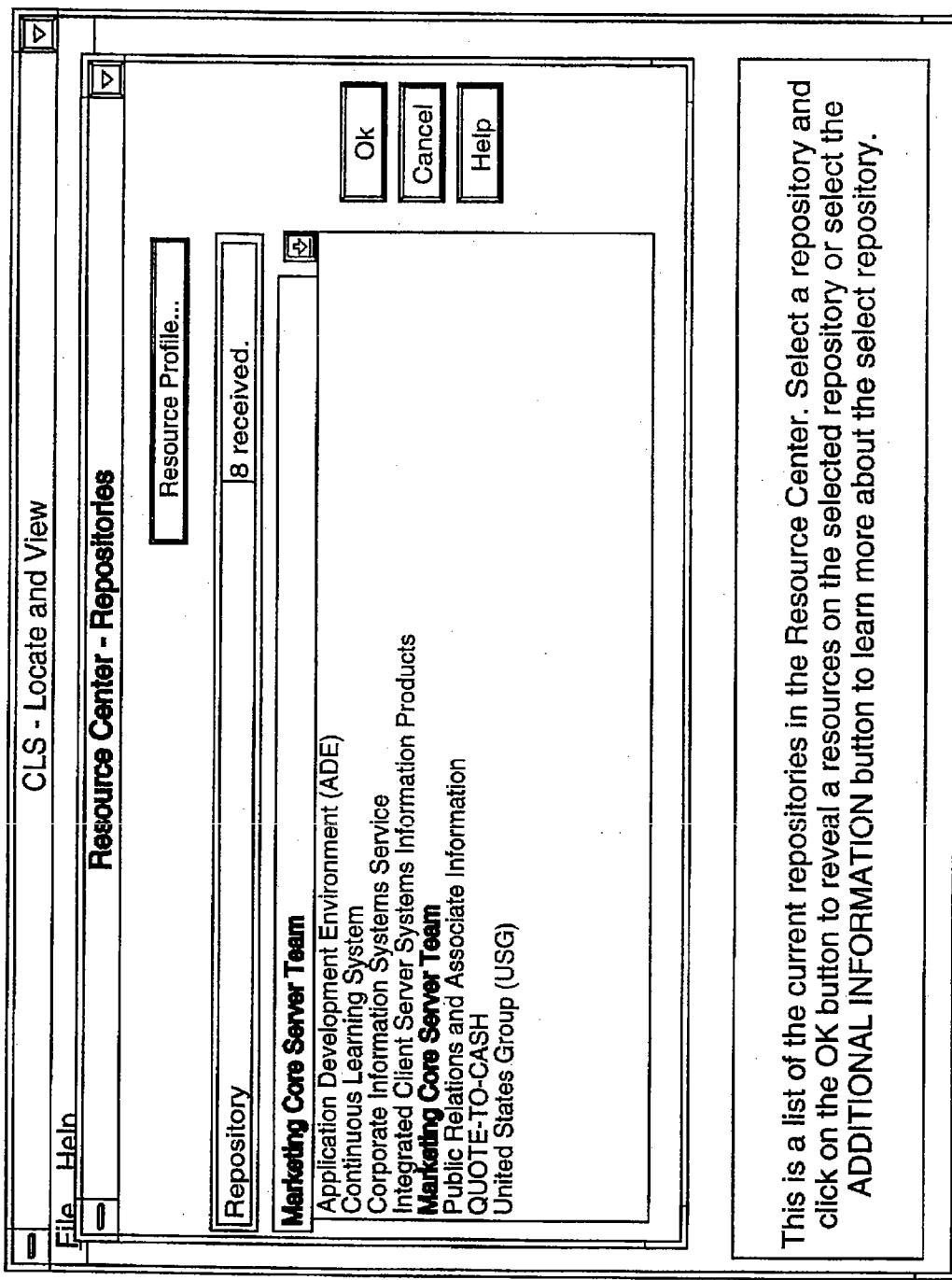
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5,699,526**FIG. 29**

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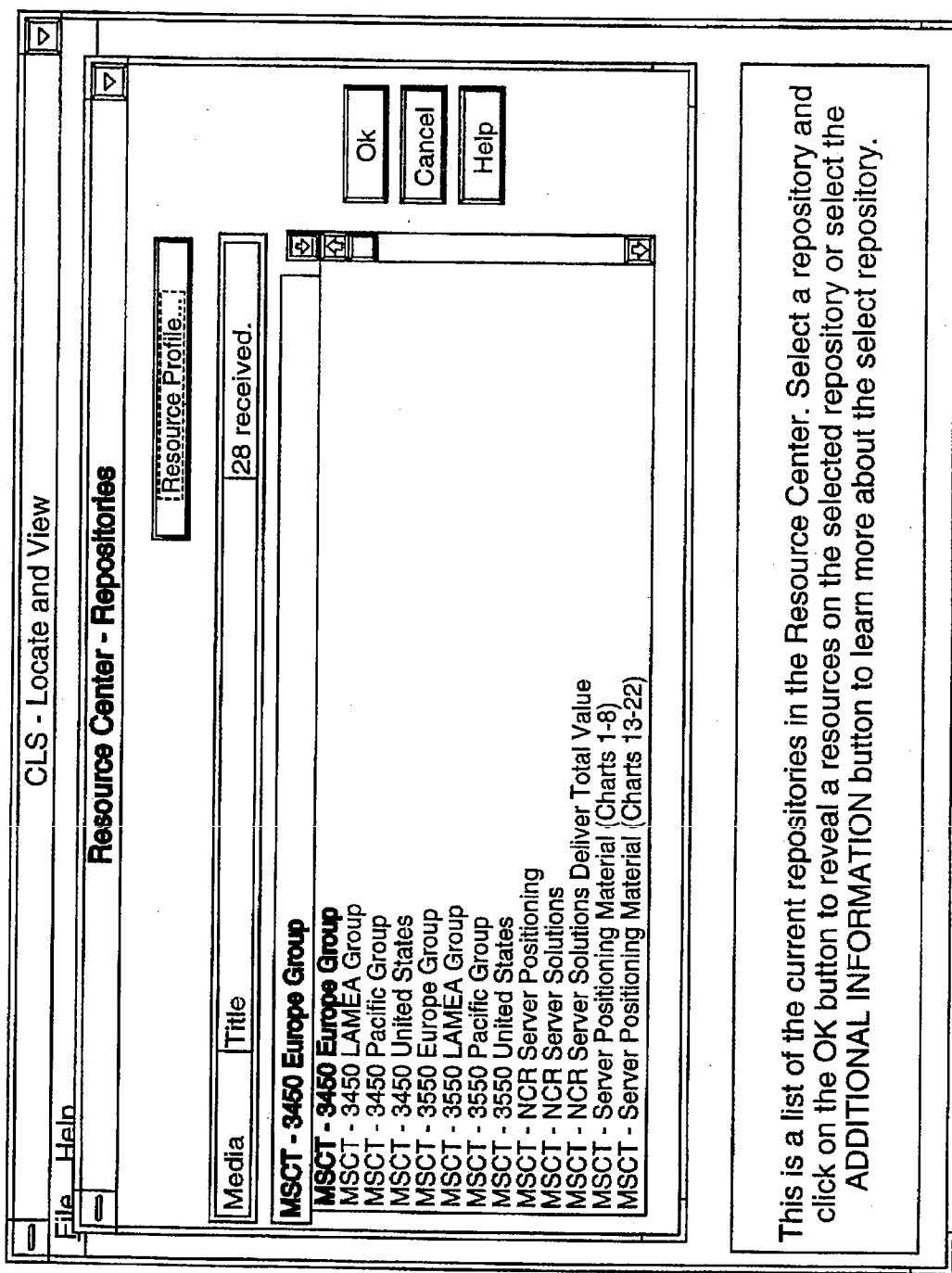
This is a list of the current repositories in the Resource Center. Select a repository and click on the OK button to reveal a resources on the selected repository or select the ADDITIONAL INFORMATION button to learn more about the selected repository.

FIG. 30

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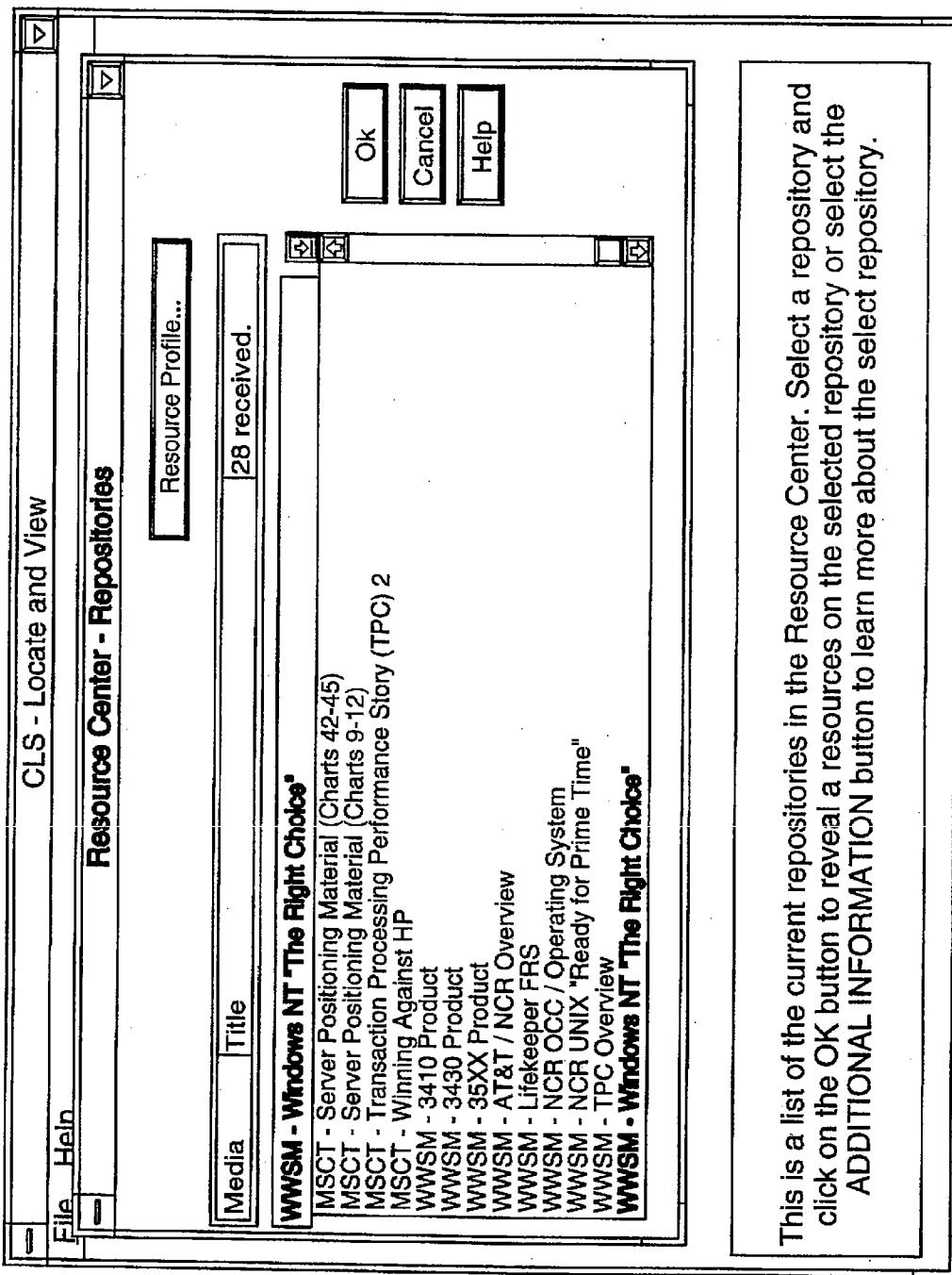
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5,699,526**FIG. 31**

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5,699,526**FIG. 32**

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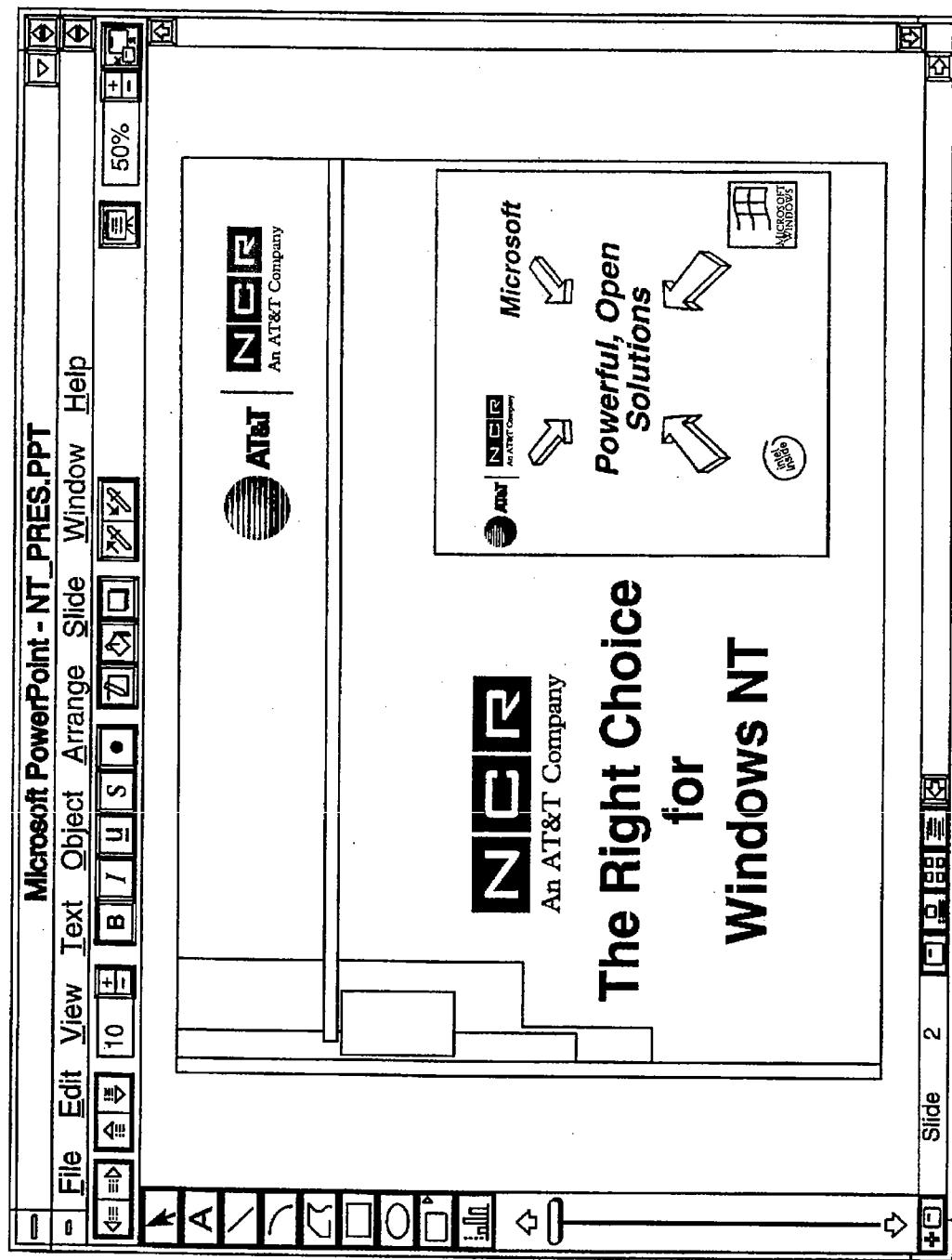
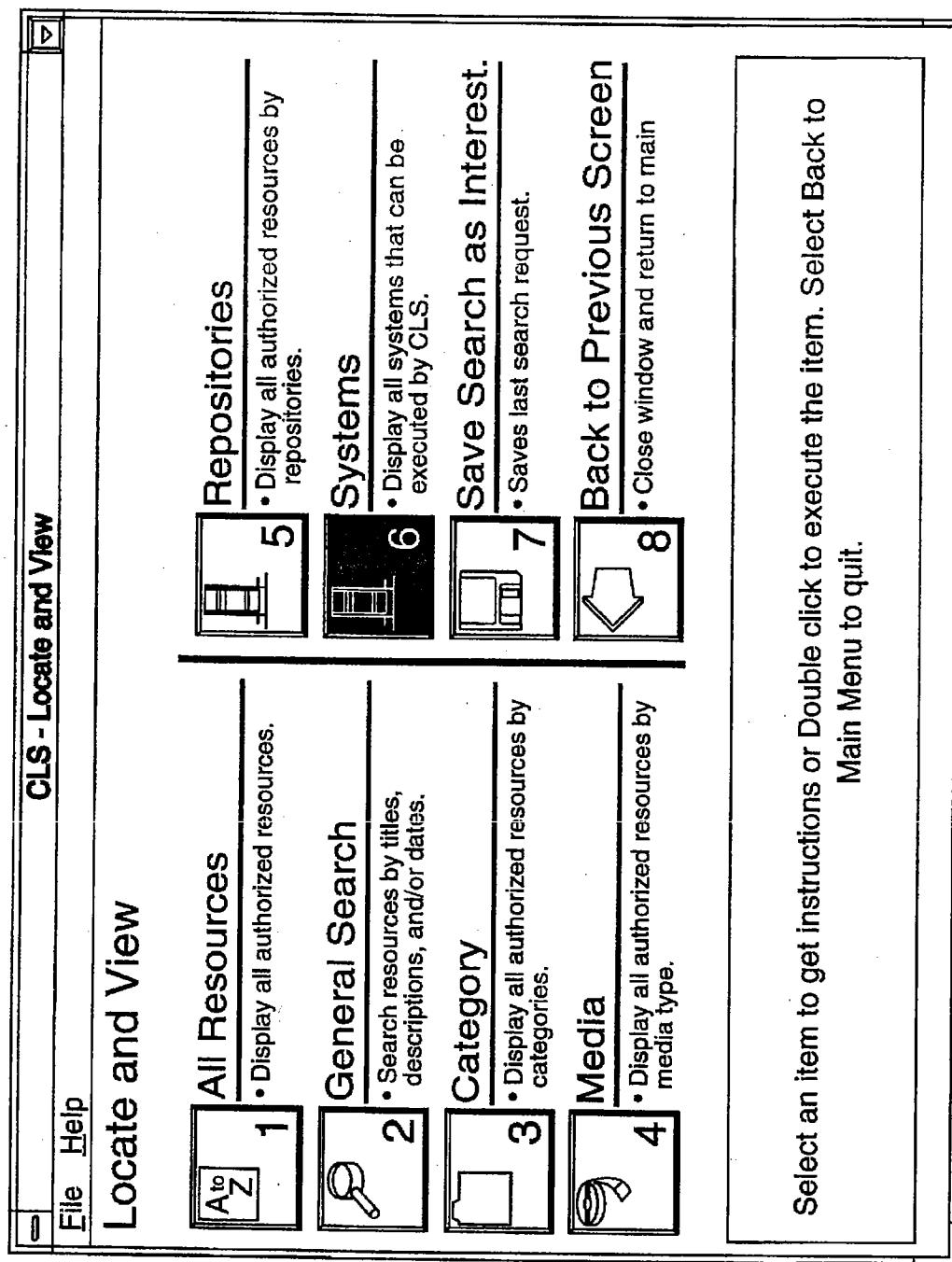


FIG. 33

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5,699,526**FIG. 34**

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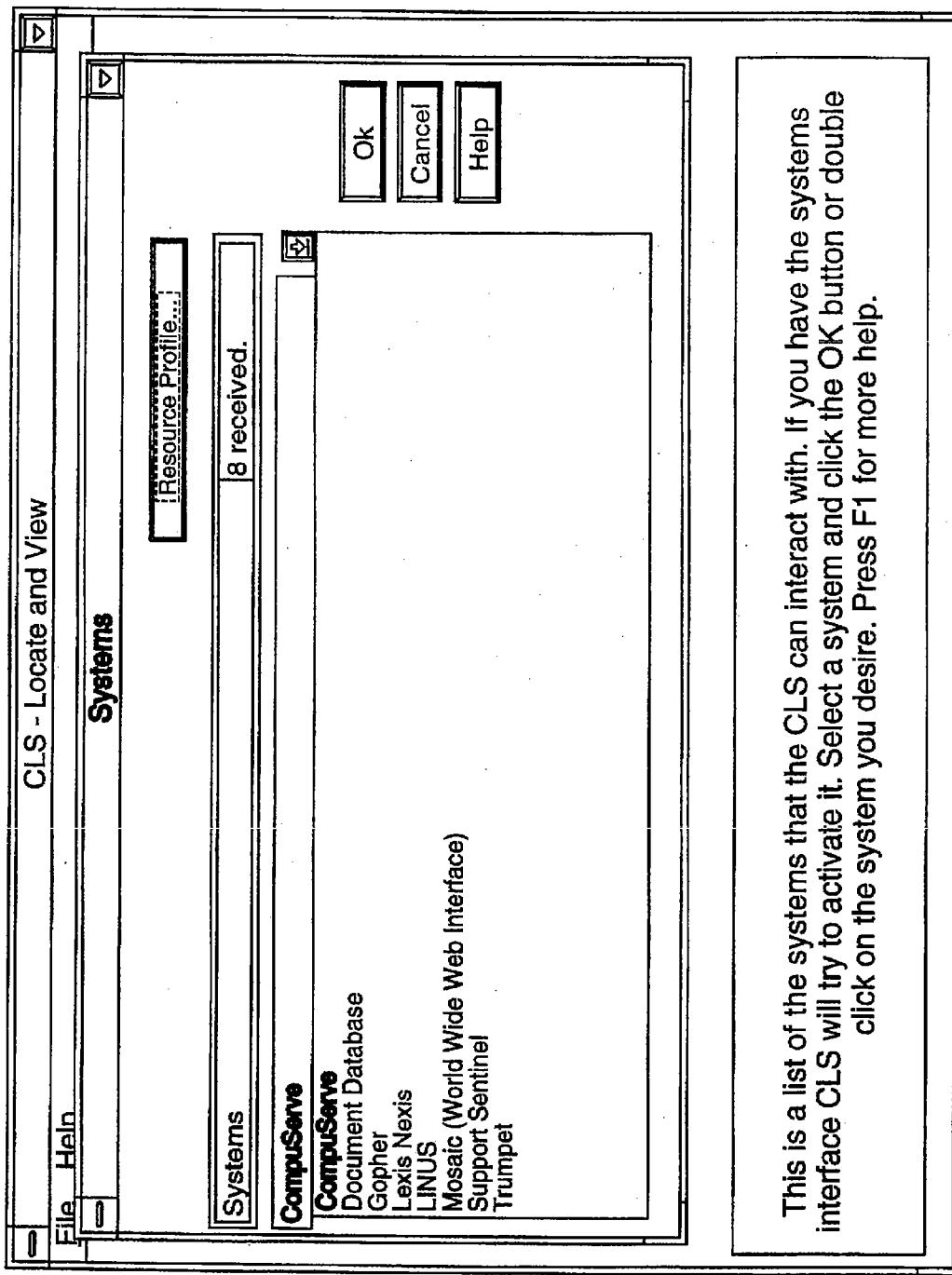


FIG. 35

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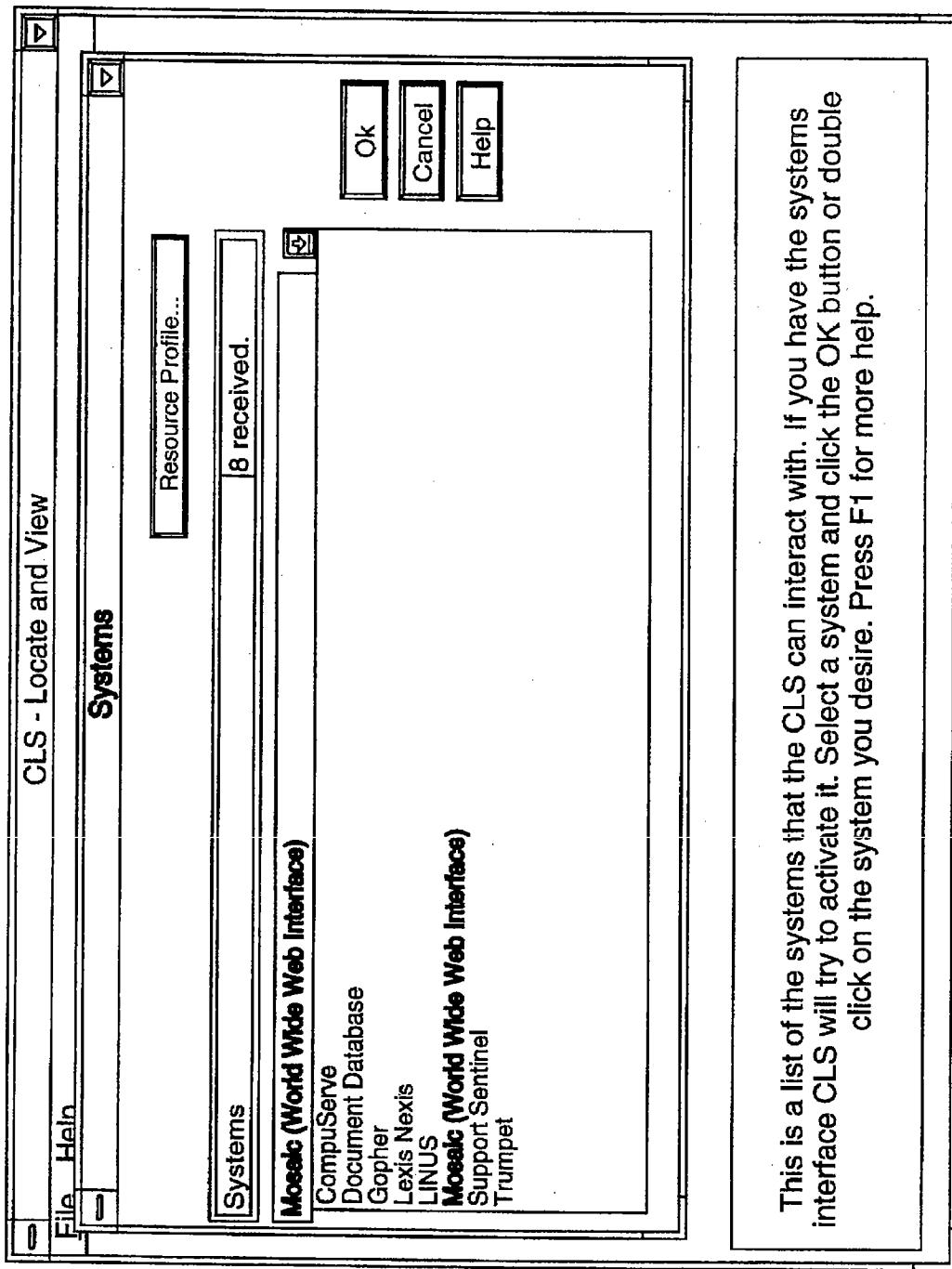
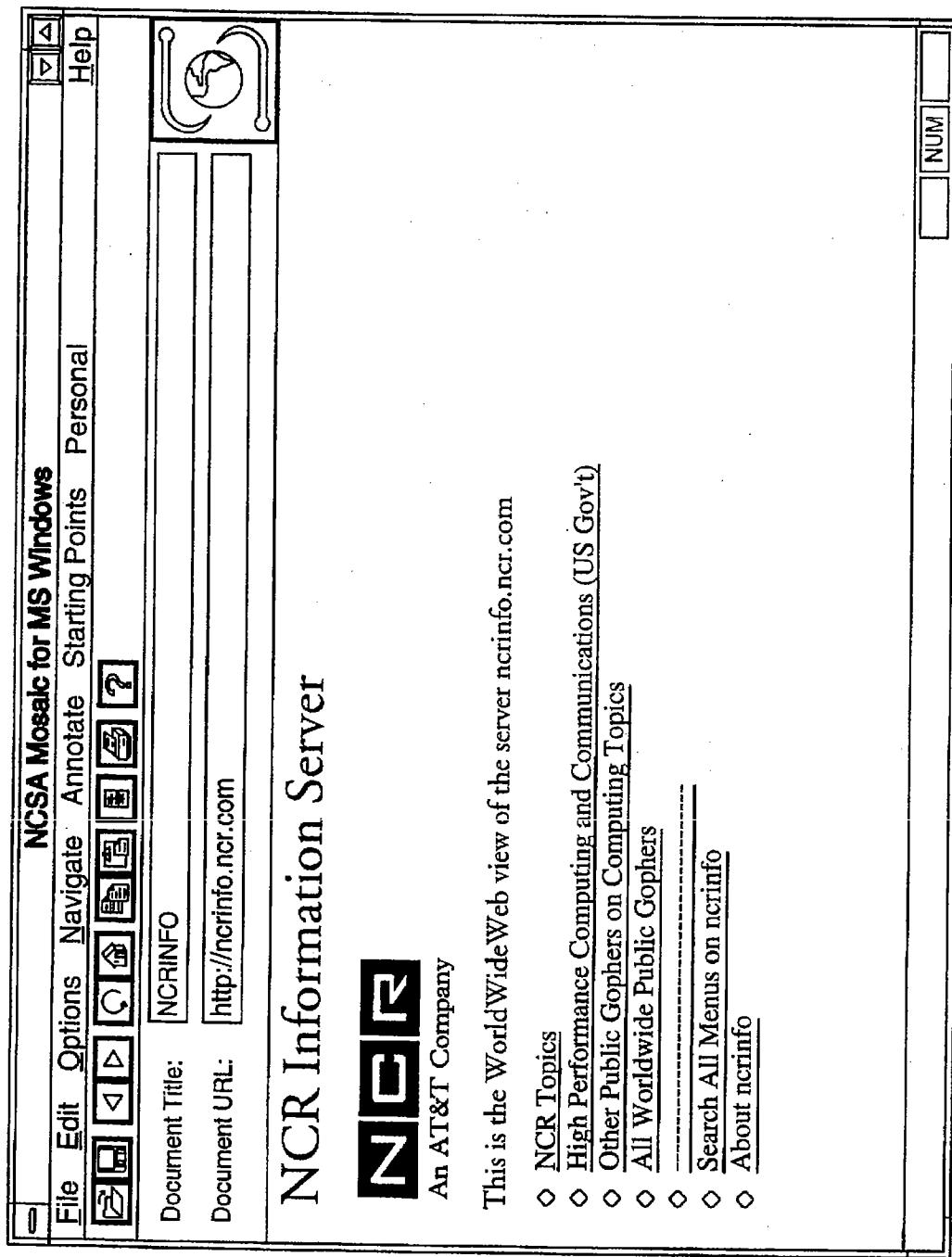


FIG. 36

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5,699,526**FIG. 37**

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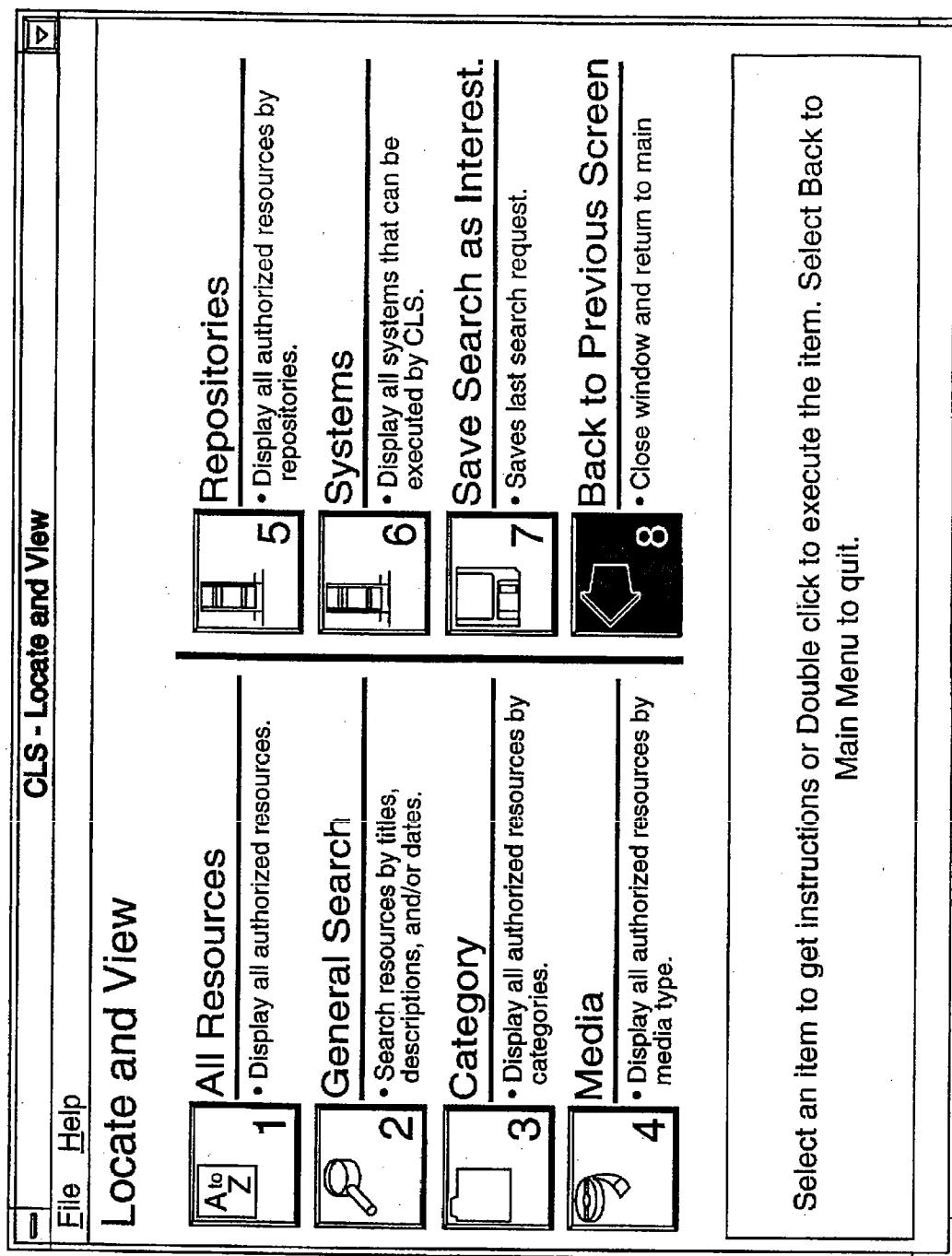
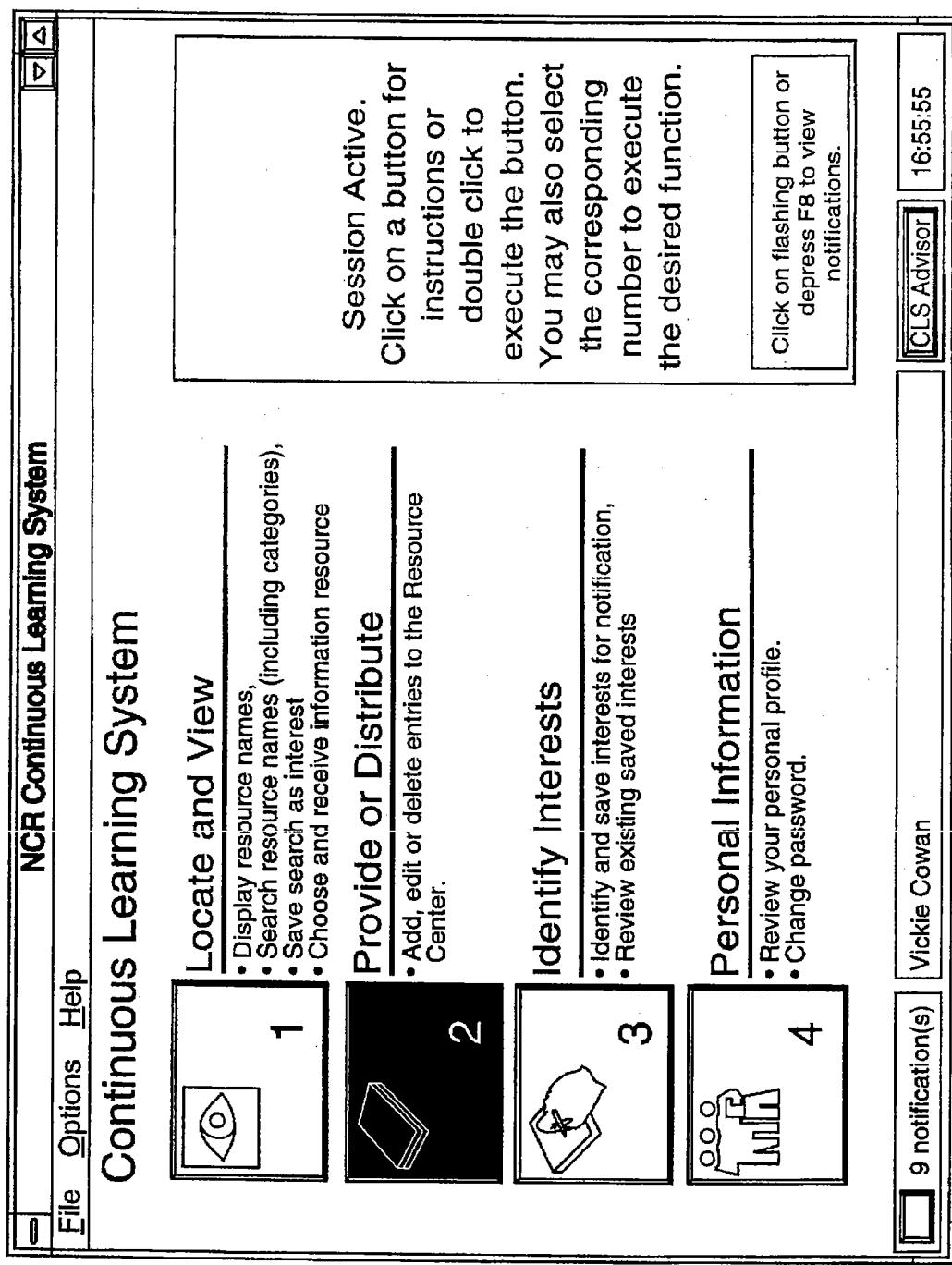


FIG. 38

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5,699,526**FIG. 39**

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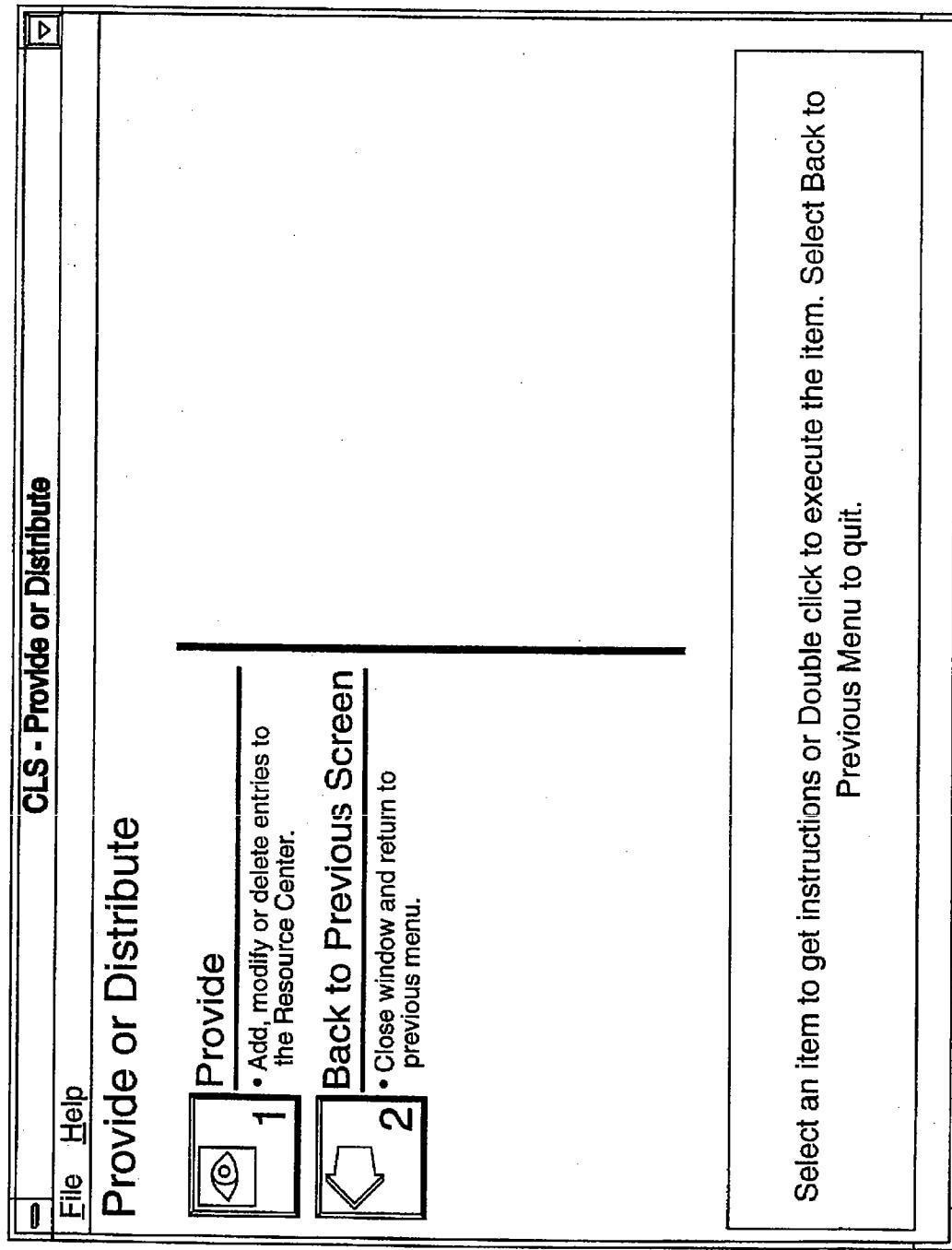


FIG. 40

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Resource Administration

		<u>Ok</u>		<u>Cancel</u>		<u>New</u>		<u>Modify</u>		<u>Delete</u>		<u>Clear All</u>		<u>Help</u>				
Access Level:		<input type="checkbox"/> Public	<input type="checkbox"/> Organization	<input type="checkbox"/> Team	Resource Title:		Date Added:	/ /	Media:	Format:	Point of Contact:	Alternate Administrator:	Repository:		Remarks			
Resource Title:						Product ID:												
Date Added:						Cost:												
						Price												
						Information Category:												
						Information Filename:												
						Repository:												
						Resource Description:												
						Remarks	Please select either New, Modify or Cancel.											

FIG. 41

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Resource Administration

		<u>File</u>		<u>Help</u>	
Access Level:		<input type="checkbox"/> Public	<input type="checkbox"/> IPD only	<input type="checkbox"/> Team	
Resource Title:		Date Added: <input type="text"/> / <input type="text"/>		Date Updated: <input type="text"/> / <input type="text"/>	<input type="button" value="Ok"/>
Product ID:		<input type="button" value="New"/>	<input type="button" value="Cancel"/>	<input type="button" value="Media"/>	<input type="button" value="Ok"/>
Cost:		<input type="button" value="Format"/>	<input type="button" value="Modify"/>	<input type="button" value="Point of Contact"/>	<input type="button" value="Delete"/>
Price:		<input type="button" value="Alternate Administrator"/>	<input type="button" value="Bitmap>>"/>	<input type="button" value="Customer Marketing"/>	<input type="button" value="Clear All"/>
Information Category:		<input type="button" value="Information Filename"/>	<input type="button" value="Product Supplier"/>	<input type="button" value="Technology Other"/>	<input type="button" value="Help"/>
Repository:		<input type="button" value="Partnership"/>	<input type="button" value="Partnership"/>	<input type="button" value="Partnership"/>	
Resource Description:				Remarks	
<input type="text"/> <div style="border: 1px solid black; padding: 5px; width: 150px;">Please enter new data at this time and click on Ok.</div>					

FIG. 42

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Resource Administration

File	Help
<input type="checkbox"/> Public	<input type="checkbox"/> IPD only
<input type="checkbox"/> Team	
Access Level:	
Resource Title:	
Date Added:	<input type="text"/> Date Updated: / /
Product ID:	<input type="text"/>
Cost:	<input type="text"/>
Price	<input type="text"/>
Information Category:	<input type="text"/>
Information Filename:	<input type="text"/>
Repository:	<input type="text"/>
Resource Description:	<input type="text"/>
Remarks	<input type="text"/>
<input type="button" value="Ok"/> <input type="button" value="Cancel"/> <input type="button" value="New"/> <input type="button" value="Modify"/> <input type="button" value="Delete"/> <input type="button" value="Clear All"/> <input type="button" value="Help"/>	
Media: <input type="text"/> Format: <input type="text"/> Point of Contact: <input type="text"/> Alternate Administrator: <input type="text"/> <input type="button" value="Bitmap>>"/>	
<input type="checkbox"/> Product <input type="checkbox"/> Supplier <input type="checkbox"/> Technology <input checked="" type="checkbox"/> Other <input type="checkbox"/> Partnership <input type="checkbox"/> CORE IP <input type="checkbox"/> CLS-TEAM NOTES	

Please enter new data at this time and click on OK.

FIG. 43

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Resource Administration

		<u>Ok</u>		<u>Cancel</u>	
Access Level:	<input type="checkbox"/> Public	<input type="checkbox"/> IPD only	<input type="checkbox"/> Team	New	Modify
Resource Title:	Date Updated: / /		Media:	Format:	Point of Contact:
Product ID:	Cost:	Price:	Alternate Administrator:	Repository:	Bitmap>>
Information Category:	Information Filename:	Remarks	Please enter new data at this time and click on OK.		
<input type="button" value="Delete"/> <input type="button" value="Clear All"/> <input type="button" value="Help"/>					

FIG. 44

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Resource Administration

		<u>Ok</u>		<u>Cancel</u>		<u>New</u>		<u>Modify</u>		<u>Delete</u>		<u>Clear All</u>		<u>Help</u>			
Access Level:		<input type="checkbox"/> Public	<input type="checkbox"/> IPD only	<input type="checkbox"/> Team													
Resource Title:				Date Added:	<input type="text" value="/ /"/>		Media:		Format:		Point of Contact:		Alternate Administrator:				
					<input type="button" value="Bitmap>>"/>												
Product ID:				Cost:			Information Category:										
Price				Information Filename:			Repository:										
Remarks																	
Please enter new data at this time and click on Ok.																	

FIG. 45

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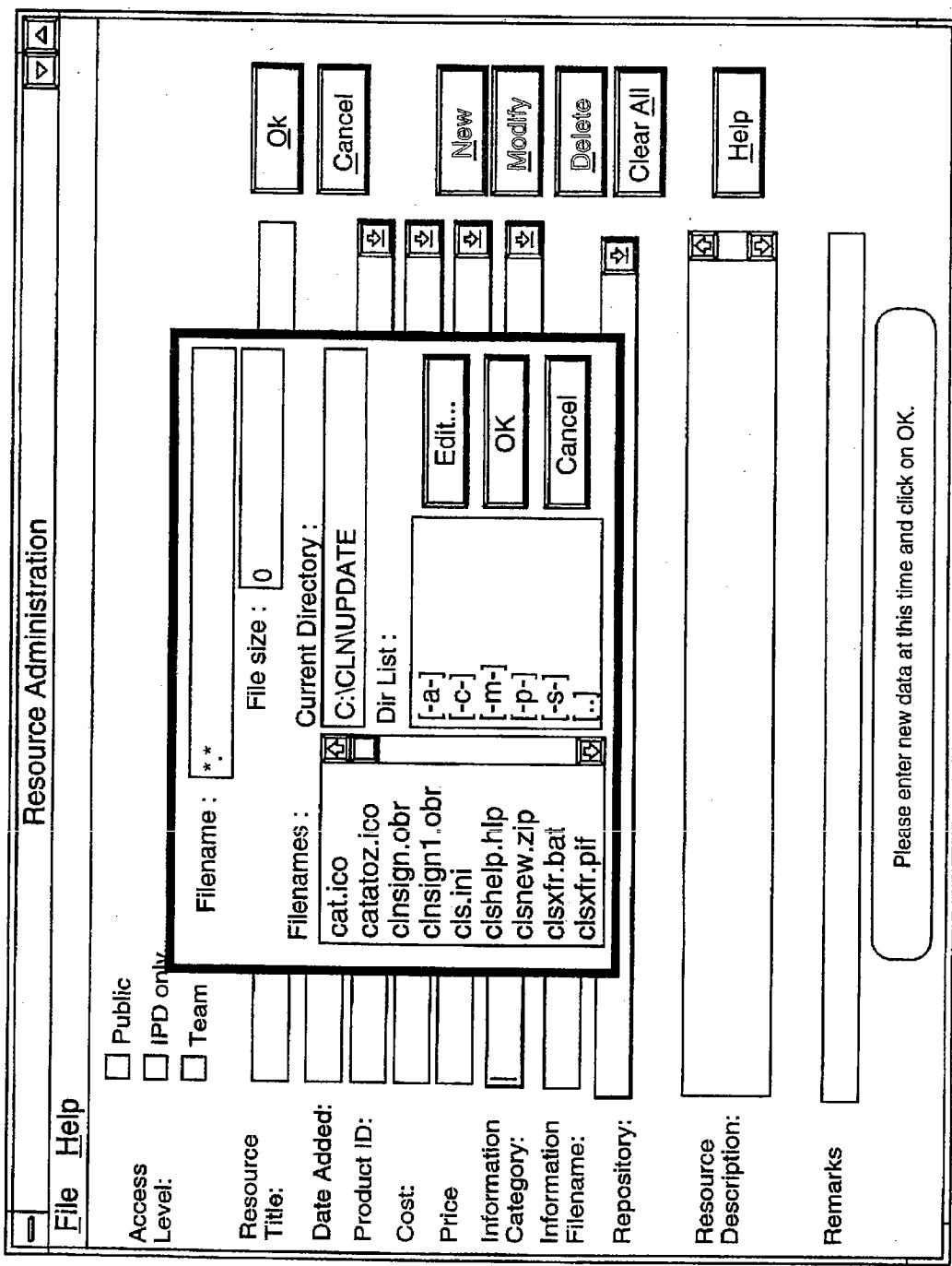


FIG. 46

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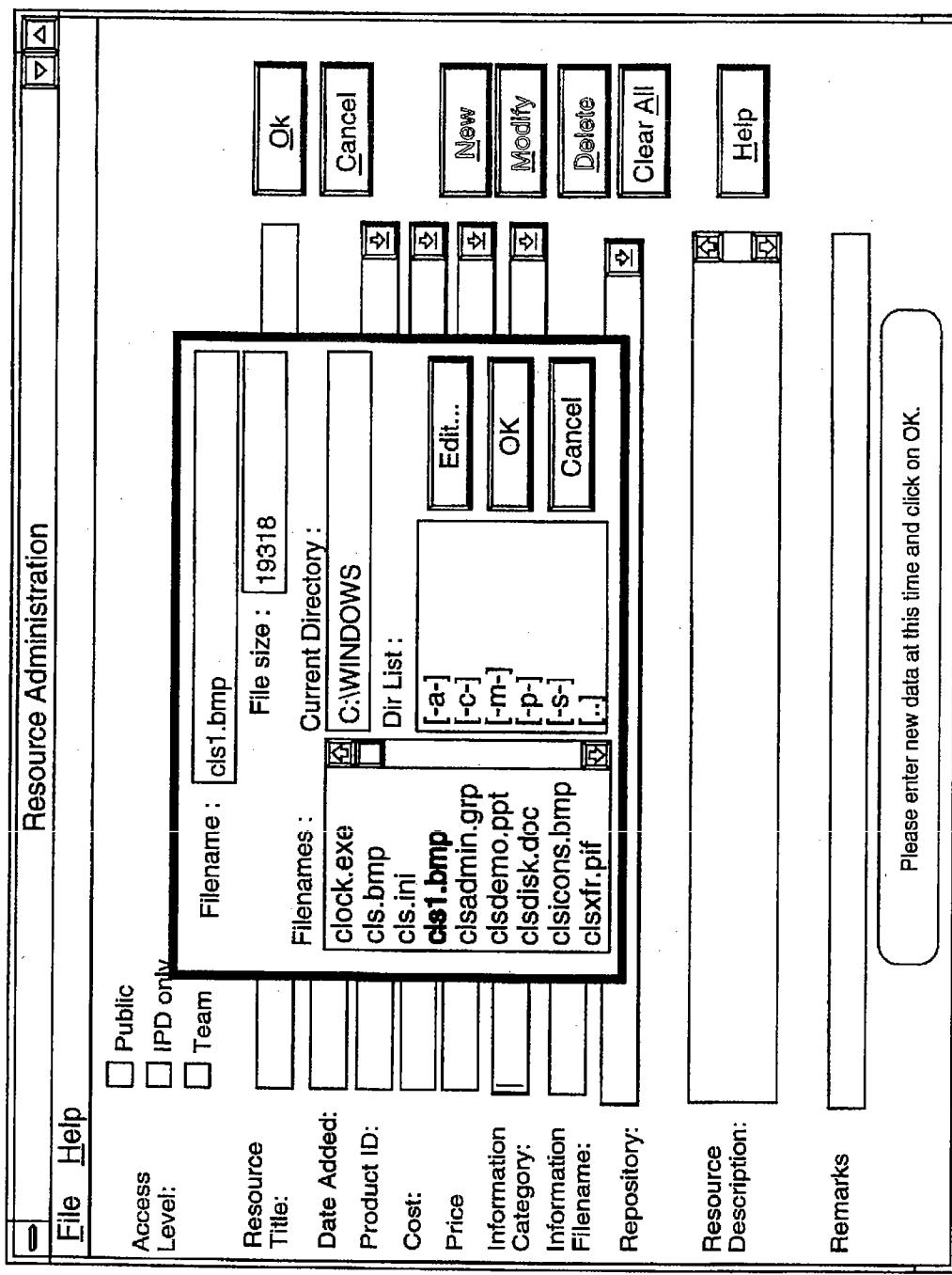


FIG. 47

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Resource Administration

		<u>Ok</u>		<u>Cancel</u>	
Access Level:		<input checked="" type="checkbox"/> Public	<input type="checkbox"/> IPD only	<input type="checkbox"/> Team	
Resource Title:		CLS - Test resource for training			
Date Added:		Date Updated:	/ /	Media:	On Line
Product ID:				Format:	Notepad
Cost:				Point of Contact:	McCollum, Tab
Price				Alternate Administrator:	Cowan, Vickie
Information Category:		General		Administrator:	C:\WINDOWS\CLSL1.BM
Information Filename:		\publictab\test\test1.txt		Delete	<input type="button" value="Bitmap>>"/>
Repository:		Continuous Learning System			
Resource Description:					
Remarks		<input type="text"/> <input type="text"/> <div style="border: 1px solid black; padding: 2px; width: 150px; height: 40px; margin-top: 5px;">Please enter new data at this time and click on OK.</div>			
		<input type="button" value="New"/> <input type="button" value="Modify"/> <input type="button" value="Clear All"/> <input type="button" value="Help"/>			

FIG. 48

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Resource Administration

		Ok		Cancel	
<input checked="" type="checkbox"/> Public		<input type="checkbox"/> IPD only		<input type="checkbox"/> Team	
Access Level:		Date Updated: / /		Media: On Line	
Resource Title: CLS - Test resource for training		Format: Notepad		Point of Contact: McCollum, Tab	
Date Added:		Product ID:		Alternate Administrator: Cowan, Vickie	
Cost:		Price		Administrator: C:\WINDOWS\CLS1.BM	
Information Category: General		Information Filename: \public\table\test\test1.txt		Bitmap>> C:\WINDOWS\CLS1.BM	
Repository:		Continuous Learning System		Clear All	
Resource Description:				Help	
Remarks					

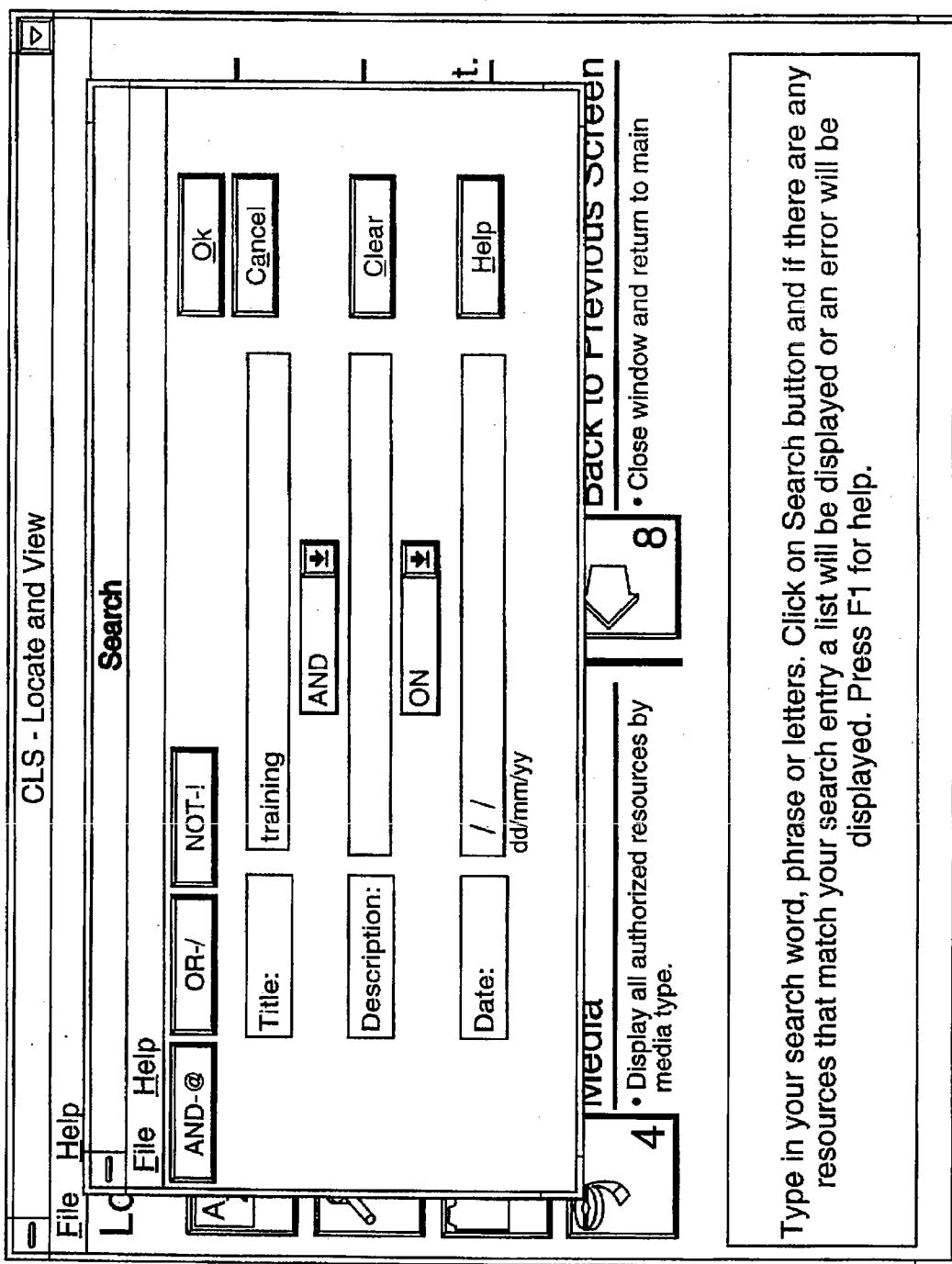
(CLS - TEST RESOURCE FOR TRAINING was successfully added to the CLS database.)

FIG. 49

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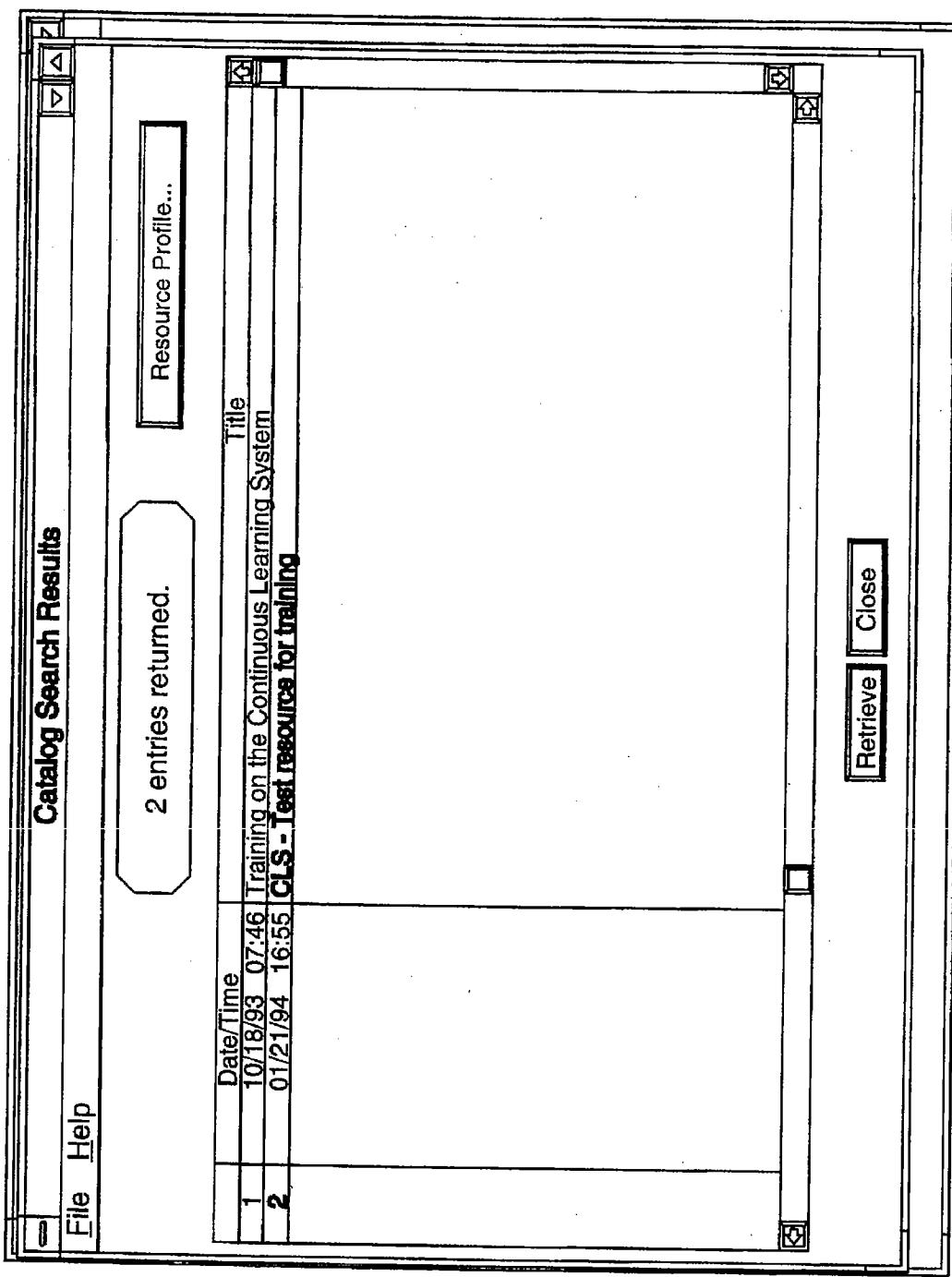
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5,699,526**FIG. 50**

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5,699,526**FIG. 51**